ALUMNI BULLETIN

M. A. C.

VOL. 4

1922-1923

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THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

VOL. IV. AMHERST, MASSACHUSETTS, JUNE 24, 1922. No. 1.

WHAT DOES THE ALUMNI ASSOCIATION DO?

REPORT OF THE PAST YEAR——PLANS FOR THE NEXT YEAR

DUES ARE DUE———WHAT ARE DUES?

Graduation is divorce and dues are alimony in the opinion of many alumni— at least a certain university has judged so from the action of its alumni. Of course graduation is not divorce, dues are not alimony. Dues are not paid because one *has* belonged, but because one *still* belongs—dues are a payment made to secure membership in a real, live, active, organization, the alumni association.

There are several reasons why dues should be paid. Here they are:—

1. Tuition at M. A. C. was free, or at least very low. Dues return this loan in part.

2. Many are the benefits received from college. Dues express your appreciation.

3. College loyalty is possessed by all M. A. C. alumni. Dues are an an expression of this loyalty.

4. Everyone wants to keep in touch with college friends— often the best one has — and with college doings. Dues bring to you the ALUMNI BULLETIN and other publications and announcements.

5. An educated man and a citizen is concerned with education, especially public for which he pays taxes. Dues are an insurance premium to protect oneself from becoming submerged in private affairs and neglecting the larger interests of citizenship.

6. Citizens of the Commonwealth and nation have certain duties and responsibilities, not covered by taxes, in the education of the youth of the country. Dues fulfill in part these responsibilities.

7. The Associate Alumni are carrying on a work of value to every alumnus, and to the college, state, and nation. Dues make this work possible.

8. Loyal M. A. C. alumni are members of the Associate Alumni of M. A. C. Dues secure this membership.

Dues are due now for the year 1922-23

THE PAST

The story of the past year will tell best to what use dues are put. Here are some extracts from the report of the officers of the Associate Alumni.

ALUMNI REUNIONS

The 1921 Semi-Centennial Commencement, because of the nature of the Celebration was naturally by far the largest Commencement ever held. The total alumni registration of 715 included 40% of the total number of graduates of the college.

World Aggie Night was held, October 22, 1921, and was generally successful. Alumni gatherings were held in twenty-five centers. At five of the centers, organized meetings of M. A. C. men had never before been held. Three new alumni clubs were formed at this time. About 700 alumni attended the various meetings.

Mid-winter Alumni Day was celebrated February 4, 1922. One hundred and one alumni were officially registered as present during the day. A very enthusiastic business meeting of the association was held in the morning.

LOCAL ALUMNI CLUBS

During the year three new clubs have been organized:- the Fitchburg, Mass., M. A. C., Alumni Club; the Ohio Valley, M. A. C., Association; and the M. A. C. Alumni Association of Fairfield County, Conn. The alumnae of the college have completed the organization of the Associate Alumnae of M. A. C. There are now on record 21 clubs of which all but two or three have been active in some way or other during the year.

ALUMNI BULLETIN

The publication of the Alumni Bulletin has been continued thruout the year. To make this paper more effective an alumni editorial committee has been appointed to advise the editor and to furnish feature articles and other material for publication.

COMMITTEE ACTIVITIES

The final report of the Alumni Committee on Course of Study was submitted at the Mid-winter Alumni Day meeting of the Associate Alumni on February 4, 1922, and at President Butterfield's request was presented to the faculty of the college on March 17, 1922. The report was subsequently printed and mailed to all graduates of the college, to former students who were members of the Associate Alumni or who had returned the Course of Study questionnaire, to the faculty and trustees of the college, and to others requesting copies.

The report of the Committee on Administration was transmitted to the trustees of the college and acknowledged by them. The committee has been continued in office to consider questions affecting the administration of the college.

REPRESENTATION ON JOINT COMMITTEES

Alumni representation has been maintained on the Inter-collegiate Athletic Board, the Non-athletic Activities Board (now the Academic Activities Board,) and the Memorial Hall Management Committee. The Assistant Secretary, largely by virtue of office, serves as the Manager of Memorial Hall and the Assistant Manager of Academic Activities.

ROUTINE OFFICE WORK

The more or less routine work of keeping records of the Association, maintaining up-to-date alumni address lists, arranging for reunions, publishing the Bulletin, collecting dues and Memorial Building payments, and the like, demands a considerable portion of the time of the Assistant Secretary.

INVESTIGATIONS

Several investigations have been made. The results of one concerning the comparison of living costs at M. A. C. and the other eastern colleges and of another concerning Alumni Association membership at other colleges have been published in the Bulletin.

An investigation was made to determine whether or not alumni of the college might be able to furnish supplies to the college at a lower cost than the college is now paying. The results were negative.

Two other investigations were made, one dealing with the age trend of the two year course and one with the gymnasium facilities at eastern colleges. The results will be published in an early issue of the Bulletin.

FINANCES

Probably the most important action of the Executive Committee had to do with the question of finances. On December 16, 1921 the Committee faced an apparent deficit for the year of $1200. It was voted that sufficient funds were not raised that the alumni office be closed, the publication of the BULLETIN discontinned and a loan floated to carry the association thru the year.

However, response to a letter sent out in the Christmas mail was so rapid that on January 16, 1922, more than $500 had been received. Early in January a campaign for members was launched thru alumni clubs and class secretaries as well as direct from the central office. On Feb. 4, 1922, the Executive Committee reported to the Associate Alumni at the Mid-winter Alumni Day meeting total collections of $737.25 since December 16, 1921.

At this meeting the provisions for Life Membership were abolished. The action of the Executive Committee in voting to float a loan if necessary was ratified and it was voted to consider at the June meeting the advisibility of raising the annual dues to $3.00.

On June 15th, $1184.37 had been received to meet the $1200 shortage of December 16th, and sufficient saving had been made to enable the association to complete the year without a deficit.

The most important result has not been the large amount of dues collected, gratifying as it is, but rather the greatly increased membership in the association. From 636 on June 24, 1921 the membership has increased to 1021, an increase of 60.5%.

53% of the living graduates and 18% of the former students of known address are members and 77% of these members are paid to July 1, 1922.

THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN

Published monthly at Amherst, Mass., by the ASSOCIATE ALUMNI OF M. A. C.

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$1.00 per year
Included in the $2.00 dues of members of the Associate Alumni.

Address all communications to THE ALUMNI OFFICE, M. A. C. Amherst, Massachusetts.

DEATHS

'71 Andrew Lewis Bassett, died at his home in Brooklyn, N. Y., February 16, 1922. This records another break in the ranks of '71, Pioneer Class.

Andrew Bassett was an Amherst boy but always roomed at the college and there entered into the intimate brotherhood that has characterized the first class to graduate from M. A. C.

Railroading has for him a facination and most of his life was spent in railroad employ. In his early manhood the allurements of the west led him into the southwest into mining and other business enterprises which were of profit to him only in experience. In the eighties he settled in New York. He was married in 1886 and two daughters were born to them. The wife and younger daughter died in 1889. With a second wife, who survives him, he lived at 350 Decatur Street, Brooklyn, N. Y.

Poor health in his later years prevented his attendance on recent class reunions. He was with '71 on its 25th anniversary in 1896, and had hoped to be with us last year. Ten of the thirteen members were present in June 1921 and Bassett was one of three absentees. His passing leaves but twelve of the class still here.

"He that would have friends must show himself friendly" was exemplified in Andrew Bassett. A man of simple tastes, he loved his home, caring little for public life or society, he bore with patience a long illness and will be remembered by those who survive him, for those sterling qualities of heart that made for friendship. The class of '71, mourns him and sympathizes with his widow and daughter.

E. E. Thompson, Class of '71

'81 Henry Edgerton Chapin, B. Sc., Massachusetts Agricultural College and Boston University, 1881; M.Sc. Michigan Agricultural College, 1893; Sc. D. (honorary) McKendree College, 1908, died at his home in Richmond Hill, Long Island, N. Y. on March 24, 1922, following a short illness with pneumonia.

He was born in Wilbraham, Mass., on May 9, 1859, the son of Samuel W. and Maria (Damon) Chapin. He entered college with the record breaking—so far as numbers were concerned—class of 1882 in the fall of 1878. In common with nine other classmates, being scholastically well prepared, he completed his college work in three years and was graduated with the class in 1881. Of the 17 graduates of that year, only six are now living. Dr. Chapin, with four others, was on the campus at the fortieth reunion of his class last June and was in a peculiarly happy frame of mind. When the five classmates bade each other farewell, they agreed to meet on their fiftieth anniversary, an agreement which can not now be kept in its entirety.

Dr. Chapin's life from the time he entered college until his death was spent either in preparing to become or as a teacher. Following his graduation, he taught in secondary schools and engaged in agricultural journalism for five years. He then took post-graduate work at John Hopkins University from 1886 to 1887 and, later, at the Michigan Agricultural College, his studies being along chemical and biological lines. He taught in the Pennsylvania State Normal School for a couple of years, was Professor of biology in Ohio University for ten years and, during the last 20 or more years of his life, was instructor in biology and physiography in the New York High School system, during which time he became identified with the Brooklyn Institute of Arts and Sciences, being President of its Department of Botany from 1904 to 1914 and member of its Council. He was an honorary fellow of the Society of Biology and Chemistry of London, charter member of the Ohio Academy of Science and a member of the New York State Museum Association and of other scientific associations.

Always interested from his college days in military affairs, he was Captain in the Ohio National Guard during the early nineties and, at the outbreak of the European war, was made a Captain in the New York Reserve List for Commissioned Officers.

Dr. Chapin, during his under-graduate days, became one of the charter members of the College Shakesperian Club which, later, became a chapter of the national fraternity of Alpha Sigma Phi. During the last five years of his life, he was editor of the fraternity magazine, "The Tomahawk". The writer of this notice is somewhat conversant with the magazines of several large Greek letter fraternities and has seen several copies of the magazine issued under Dr. Chapin's editorship. He has no hesitancy in saying that in quality it measured up with those put out by the larger organizations of this character. Dr. Chapin threw himself into this work and will long be remembered in college fraternity editorial circles.

Dr. Chapin was joint author of an elementary guide in Zoology and has written several scientific monographs.

Nearly 30 years ago, Dr. Chapin married Eudora M. Hoffman of Athens, Ohio. They have two children, Corinne (Mrs. Ralph Titus) now living in New York City and Ruth, a Senior in the University of Vermont.

J. L. HILLS, '81.

'84 Word was received as the Bulletin went to press of the death of Harry D. Holland of Amherst on June 13, 1922.

'17 Lt. Earle McNeil Randall, M. A. C., '17, familiarly known as "Nails" met his death in an airplane accident at Quantico, Va., on April 17, 1922.

"Nails" enlisted in the Marine Corps shortly after college closed in the spring of 1917. He received "boot" training at Paris Island, S. C., and nine weeks later entered the Officers Training Camp at Quantico. He earned his commission, was sent over-seas, and before he returned he had reached the war-time rating of captain.

Following eight months in Germany, he served a year in Haiti with a permanent rating of first lieutenant and later went to the Marine aviation camp at Pensacola, Florida, where he became one of the most skillful flyers in the Corps. When he returned to Quantico he was given charge of the photographic laboratory and became greatly interested in mosaic map work for which he was specially fitted by landscape training.

While a student at M. A. C. he met Miss Eleanor A. Barker and after leaving college they became engaged. He had planned to be married this summer, giving up permanently the service and aviation.

On April 17, 1922 he was flying alone in a German Folker in a series of battle manovers with a Vought plane, when the two machines locked wings, severely damaging each. Lieut. Farrell a witness of the catastrophe said that "he came down fighting" to keep his injured left wing up. The plane struck telegraph wires, glanced off, and fell to the ground. "Nails" died half an hour later.

One cannot eulogize such a man for words at best are hollow things. But let it be said by one who knew him well, that his friends will honor his memory as long as they endure, and that his alma mater may well be proud to claim as her graduate a man so universally loved and admired as Earle McNeil Randall.

J. F. WHITNEY, '17

w '20 George H. Andrews, whose passing away March 21, 1922, as a result of shell shock received while in France was reported in the last issue of the Bulletin entered the Service on January 3, 1918 and served in the Evacuation Ambulance Company No. 6 with the A. E. F. from July 18, 1918 to April 29, 1919. He went thru the battles of Aisne-Marne, Chateau Thierry, St. Mihiel, Meuse, and Argonne. He received his discharge on May 21, 1919.

CAMPUS NOTES

Baseball Scores	M. A. C.	Opp.
BATES—called off on account of rain		
AMHERST	12	1
CLARK	7	6
WESLEYAN	4	1
SYRACUSE	4	3
BOSTON COLLEGE	0	4
NORTHEASTERN	8	3

A morning chapel exercise was recently set aside for the award of medals for participation in Athletic and Academic Activities. The Non Athletics Board has recently been renamed the Academic Activities Board.

Major General Edwards inspected the R. O. T. C. unit and spoke in assembly recently.

REPORT OF THE TREASURER

A. Cash Statement, June 24, 1922.

RECEIPTS		
Balance from 1920-21	$ 126.35	
Interests on Investments	$ 53.87	
Membership fees	$1913.50	
Miscellaneous	$ 26.05	
Total receipts		$2119.77
Total expenditures		$2097.76
Balance in bank		$ 22.01
Total accounts payable		$ 19.17
		$ 2.84
Total Accounts receivable		$ 18.95
Balance at end of year		$ 21.79

B. Expenditures classified

General office expenses	$ 391.93
Salary of Assistant Secretary	$ 549.78
Reunions (World Aggie Night, Mid-winter Alumni Day, Commencement.)	$ 125.65
Course of Study Committee	$ 162.92
Class buttons	$ 65.95
Dues in the Ass. of Alumni Sec.	$ 15.00
Bulletin	
Printing	$ 509.75
Postage	$ 245.46
Engraving	$ 26.97
Miscellaneous	$ 23.52

IS M. A. C. NEGLECTING AGRICULTURE?

In answer to the oft repeated charge that M. A. C. "has strayed away from its original purpose and has quite neglected instruction in Agriculture" Dean E. M. Lewis has devoted a considerable part of the recent Report of the President to an analysis of past and present courses of study and statements of the founders and early executives of the college.

Dean Lewis states "that it can be shown conclusively that agricultural instruction is stressed more by far today then ever before, and that the college has less the character of a state college or University than at any time in all its history."

In closing Dean Lewis states as his personal opinion "that in order to deal fairly with the boys of Massachusetts who will hereafter attend the college we must give them not less, but more of those subjects that prepare for life and citizenship. The meager amount we now require is nothing short of tragic. No one will contend that one-tenth of a boy's time during the four precious years of college is sufficient for his education as a citizen and as a man. Yet, that is all that a large number of our students receive today. Will anyone say we are not sacrificing the man on the job for the job; 'the man on the farm' as Emerson said, 'for the farmer'. Without losing one iota of the excellent 'practical' content which is now included in the curriculum, it is our immediate and imperative duty to march swiftly forward and give a sound education as well as good vocational training to every one of our students."

Every graduate of the college has been sent a copy of this report and should turn to page 30 and read this article for himself.

THE FUTURE

Such is the story of the past year; but it is not complete without a look into the future. What are the plans for next year? A statement has been sent to every member of the association carrying the list of projects recommended for next year and a budget that will make the fulfillment of these projects possible. These are bare cold facts of the recommendations for the year 1922-1923—read between the lines and there is plenty of life—a job worth doing and a challenge to do it.

SUSTAINING MEMBERSHIP CAMPAIGN

The last few words under the budget for 1922-23 tell a story—the recommendation of the Executive Committee that a campaign be launched to secure 100 sustaining members at $10 a year. Why? Because if the Association is to progress and not slide back it must carry a budget of $2385 as a minimum.

The possibilities are that at $2.00 a year only $1600 will be secured and at $3.00 a year not over $2100. At $2.00 a year for regular members and $10. a year for those who can afford and are ready to pay more, it is estimated $1400 will be raised from the regular members and $1000 from the sustaining members. This seems to be the most feasible plan and has the recommendation of the Executive Committee.

More might be said concerning this— but look at the budget, the list of projects, the accompanying design and interpret them and decide for yourself, am I a $10 man?

Among the recent elections to student offices are the following:—

WILBUR H. MARSHMAN, '23
Captain of baseball.

HOWARD A. GORDON, '23
Captain of hockey.

IRVING W. SLADE, '23
Editor-in-chief of the *Collegian*.

OWEN E. FOLSOM, '23
Business manager of the *Collegian*.

TRESCOTT T. ABELE, '23
Editor-in-chief of the *Squib*

A NEW CLUB

The M. A. C. Alumni Association of Fairfield County (Conn.) was organized and officers for the ensueing two years were elected at a meeting of alumni of that district on May 10, 1922. The officers elected were President, George A. Drew, '92; vice president, Frank A. Bartlett, '05; Secretary-treasurer, T. H. Reumann, '18.

The meeting was held at the home of Mr. and Mrs. Frank A. Bartlett, '05, in North Stamford, and was attended by seventeen alumni of Stamford and vicinity. Professor Frank A. Waugh was the principal speaker and told of the present problems and policies of the college. Mr. Bartlett and T. H. Reumann were the committee in charge of the get-together.

EXECUTIVE COMMITTEE ACTION

At the June meeting of the Executive Committee final plans were made for Commencement. A printed report of the officers of the Association was approved for presentation at the annual meeting of the Associate Alumni.

The fiscal year of the Associate Alumni was fixed to run from June 15th to June 15th. The previous policy has been to have the fiscal year run from Commencement to Commencement, a rather indefinite policy.

Professor C. S. Plumb, '82 was approved as chairman of the Endowment Committee which is being reorganized.

At the previous meeting it was decided to recommend to the Association at the annual meeting, the appointment of a committee to consider plans for securing an oil portrait of Dean Mills.

CAMPUS NOTES

Track Scores.

Triangular meet.

New Hampshire 64½ M. A. C. 60 Vermont 27½

Dual meet M. A. C. 78½ Tufts 38½

Alfred P. Staebner '24 was declared winner of the Burnham Declamation contest.

Roger B. Friend is the newly elected president of the Senate.

Dr. Charles P. Alexander of Urbana has been secured to fill the vacancy in the Entomology Dept. caused by the resignation of W. S. Regan '08.

The organization of the Quincy club marks the revival of a type of organization popular on the campus in pre-war days.

CLASS NOTES

'95 H. A. Ballou, who for many years has been entomologist for the Imperial Department of Agriculture for the British West Indies, stationed at Barbados, writes that he expects to be transferred in the fall to Trindad where the West Indian Tropical Agricultural College is to be established. Professor Ballou will teach entomology and continue his work as entomologist for the Department of Agriculture.

'06 G. Talbot French is a botanist with the Virginia State Dept. of Agriculture.

'09 Harold J. Neale is practicing Landscape Architect in New Orleans, La.

'18 G. K. Babbitt is a tenant farmer in Mattapoisett, Mass.

'18 Carlos T. Mower is manager of the Hood Rubber Tire store at Watertown, Mass.

'19 V. D. Callanan, Field Representative in the Bureau of Markets and Crop Estimates is located in Greeley, Colo.

'21 C. G. Mackintosh has left the United States Forestry Service by whom he has been employed as Recreation Engineer in the Southern Appalachian Forest Area with headquarters at Asheville, N. C., to enter the organization of E. S. Draper, Landscape Architect & City Planner, 11 East 5th St., Charlotte, N. C. Mr. Mackintosh will be located for several months at Bramwell, West Va., on a cemetery development.

w'92 Acting on the recommendation of Dean Harlan F. Stone, the trustees of Columbia University created fifteen honorary law scholarships. The Law School has had rapid growth since Dr. Stone became dean in 1911; the number of students increasing from 240 to 700 and the library from 30,000 to 95,000 volumes.

Copies of the War Record of the college may be secured, without cost, upon application to the President's Office.

ALUMNI DOINGS

MARRIAGES

'20 Dr. and Mrs Frederick Glazier Smith announce the marriage of their daughter Irene Ivers to Mr. George Murray Campbell on Saturday, June the 17th at Somerville, Mass.

'17 Robert S. Boles was married to Miss Fern Ethel Wheelock of Dorchester on Apr. 26, 1922.

w '21 Announcement has been received of the marriage of Allan V. Mutty to Miss Beatrice Rodgers on June 12th at Cambridge, Mass.

BIRTHS

w '20 Barbara Mae to Mr. and Mrs. Ralph E. Myers on May 19, 1922. Weight seven pounds and five ounces.

'03 Born Monday, April 3 to Professor and Mrs. W. L. Hood of the Prairie View College of Texas, a daughter, Dorothy Thompson.

w '15 A son, David Worthington to Mr. and Mrs. George E. Donnell on May 30, 1922.

'19 Mr. and Mrs. W. K. French announce the birth of a daughter, Elizabeth Morse, on June 9, 1922. Weight 8¼ pounds.

PUBLICATIONS.

'95 "The Progress of the Rose in America" by Edward A. White, Professor of Floriculture at Cornell University, Ithaca, N. Y., an article published in the *Gardtners' Chronicle of America*, March 1922, reviews briefly work that has been done in rose breeding in this country besides work that is being carried on at the present time and also speaks of the possibilities of the future.

w '03 In an article in the May issue of *Joe Chapple's National Magazine*, Lieutenant Clifford A. Tinker gives his impressions of "Sir Ernest Shackelton, Knight of Polar Romance."

'05 "Farm Management" by R. L. Adams, professor of farm management at the University of California discusses the basic principles of the subject. Magraw-Hill Book Co., are the publishers.

w '06 Stanley F. Morse, editor of the Agricultural department of *Facts about Sugar* has written a review of the above article by Professor Adams, for the June 3rd issue of the magazine.

'07 H. P. Wood has recently published the U. S. D. A. Circular, No. 213, on Eradication of Lice on Pigeons."

'12 "Some Economic Features of Chinese Agriculture" was published in February 1922, by D. Y. Lin. This article covers the topics of Agricultural area, population, holdings, income, practices, needs, and problems of China, and gives a clear understanding of Chinese agriculture.

'20 "Substitution of Brom-Thymol-Blue for Litmus in Routine Laboratory Work" by H. R. Baker, published in the JOURNAL OF BACTERIOLOGY, Vol. VII, No. 2, March 1922 has particular application in teaching as well as in industrial investigation. The author points out the advantage of using brom-thymol-blue in place of litmus which has been used in the past.

Fac. Professor Frank A. Waugh in an article entitled "Art for All" in *School and Society*, April 22, 1922 sets forth his conviction that the native landscape can be practically used as a principal means of human culture and outlines the method by which instruction in this subject may be given.

CLASS NOTES

w '76 Henry Bond sailed with his wife from Boston on May 3rd for an extended trip in Europe. Mr. Bond, who is a director of the American Radiator Company will visit the plants of that company in Germany, Italy, Austria, France and England, and attend a meeting of the directors to be held in Paris. Mr. Bond will return to Brattleboro, Vermont the latter part of August.

'86 Richard B. Mackintosh has moved from Peabody to Danvers. He is connected with the U. S. Machine Co., of Beverly.

'92 Homer C. West is now located at Santa Ana, Calif.

'94 John E. Gifford is instructor in agriculture and farmer in Millbury, Mass.

'00 James W. Kellogg, chief of the bureau of chemistry and chief chemist of the Dept. of Agric., was given the honorary of Doctor of Science at Susquehanna University on June 15, 1922.

'00 C. A. Crowell is Educational Director in charge of vocational training at the Veteran's Hospital, Parker Hill, Boston. He was recently transferred from a similar position in Washington where he has been for three years. Mr. Crowell has been working among disabled ex-service men for nearly four years.

'02 C. I. Lewis is managing editor of the American Fruit Grower's Magazine, Chicago.

'07 H. P. Wood has been transferred on the corn borer investigation work from Schnectady to 1120 Fifth St., Sandusky, Ohio. He retains his residence at 317 Glen Ave., Scotia, N. Y.

w '07 J. Gerry Curtis, is superintendent of City Parks and Playgrounds in Miami, Fla., and is making Miami "The City Beautiful."

'08 William F. Turner is an entomologist with the Georgia State Board of Entomology.

'13 Dr. N. P. Larsen has left New York City to take up his duties at Queen's Hospital, Honolulu, Hawaii.

'14 Warren S. Baker is the county agent of Plymouth County.

'14 Alden H. Russell is a veterinarian in Natick, Mass.

'14 Tell W. Nicolet is establishing his practice of Landscape Architecture and Town and City planning in Pittsburgh, Pa.

'15 W. R. Sears writes from Paris, France: "This last year I have been travelling in England, France, and Italy. During the winter I made the American Academy in Rome my headquarters and from there made short trips out to nearby points of interest. During February, I spent some time in Southern Italy and Sicily. Since the middle of April, I have been going thru Northern Italy, studying the Italian villas and have spent some time in Florence, Padua, Venice, Vicenza, Verona, Milan, and the Italian lakes.

"After a couple of weeks or so around France my plans are to go to England and study some of the English estates and gardens, until the end of the summer, when in all probability, I will return home to America." Mr. Sears is holder of the Charles Eliot Travelling Fellowship in Landscape Architecture, Harvard University.

'15 R. M. Upton received an M. Sc. degree from the University of Delaware on June 12th. Psychology was his major subject, and French, education and genetics minors. Credits toward the degree were also gained at Brown University and Johns Hopkins.

w '15 Eleanor Bisbee reports that she is a newspaper reporter in Miami, Fla.

'16 J. T. Nicholson has been appointed Assistant National Director of the American Junior Red Cross. His headquarters will be in the Washington, D. C. office of the Red Cross.

'16 H. R. Gaventa has recently been transferred to Jacksonville, Fla., in his work with the Armour Fertilizer Works.

'16 H. W. Bishop has severed his connection with the Supplee-Wills-Jones Milk Co., of Philadelphia with whom he has been since 1916 as plant manager and has gone into business with Clayton Hager, '16, and his father in the firm of J. M. Hager and Son of Somerville, Mass.

'16 Frederick C. Stearns is teaching in the Adams High School.

'16 A. E. Lindquist is in the advertising game with the Robbins Publishing Co., of New York City.

'17 L. T. Buckman, president of the class of 1917, will receive the degree of Doctor of Medicine from the University of Penn., on June 14.

'17 Charles W. Curtin is assistant manager of the Metropolitan Life Insurance Co., with headquarters in Northampton.

'18 The engagement of Oliver G. Pratt to Miss Merab D. Shrum of Lynn has been announced. Mr. Pratt is superintendent of parks, recreation, and shade trees in Salem, Mass.

'18 G. A. Newton is a teacher of agriculture in the high school at Colchester, Conn.

'18 Robert D. Hawley has been transferred to the Greenfield office of the Strout Farm Agency.

'20 Carl F. Graves has given up farming and is now employed by the Springdale Ice and Coal Co., of Stamford, Conn.

'20 Marion Early is practicing landscape gardening in Redlands, Calif.

'20 William B. Stiles, a real estate salesman in Washington, D. C., reports "All's well on the Potomac."

'21 I. G: Quint is teaching physics, biology, and general science in the high school of Terryville, Conn.

'21 George L. Slate spent a few days on the campus while recuperating from an operation for appendicitis. He goes to a new position in the department of Horticulture of the New York State Agricultural Experiment Station.

Grad. Allison M. Woodman announces the opening of an office for the practice of landscape architecture in Berkley, Calif.

The Trustees of the Massachusetts Agricultural College have raised the tuition to $180 per year for four year students entering the college from states other than Massachusects. The new rate will be effective in September, 1922 for those entering for the first time, but will be posponed until September, 1923 for those already enrolled.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, September 25, 1922 No. 2

THE OLD CHEMICAL LABORATORY

Chemists Trained in Its Classroom.

Fifty-five Years of Service Ended.

The old chemistry building is no more. Every man who has entered college since 1867 has had experiences within its walls. In the early days he entered the east portion on the lower floor for morning chapel, the west rooms for chemistry, the rooms above chapel for mathematics and physics, and climbed to the upper story for military drill.

Shortly after 6-00 o'clock in the morning of Sept. 6, for some unknown cause, the old building decided that it had stood long enough and underwent a complete chemical change, resolving itself largely into CO_2, H_2O, and C, much to the bitter disappointment of the present chemical staff.

Even though it no longer stands, I believe it has served well, both teachers and pupils. Beneath its roof, in spite of many handicaps, Professor Goessmann not only taught but carried forward his early inspection work as well as his manifold chemical investigations on sugar beets, salt, fruits, soils, and crops. In the building other teachers have served most faithfully, including Wellington '73, Stockbridge '78, Flint '87, Howard '94, Chamberlain, Anderson, Peters '97, and Serex '13.

All students entering college received instruction in chemistry in the building, while some one hundred and eighty men have specialized in the science and have gone forth either as chemists or to apply their chemical knowledge in education, administration, or industry. It is not possible here to call them all by name nor to tell of the excellent work they have done or are doing. I know I shall unintentionally overlook some, but venture to mention a few of the many whose work has been a credit to themselves and has contributed to the reputation of Old Aggie.

In chemical industry we are proud to recall the name of the late Mr. Bowker '71, intensive student, who contributed so much to plant food manufacture; Bragg '75, one of the strong men in the General Chemical Company; Chittenden '75, fertilizer manufacturer; the late Hiram Kendall '76, soap manufacturer; Knapp '88, with The Atlantic Refining Company; Arnold '91, superintendent of the acid works of the Merrimac Chemical Company; Louis Goessmann '94, with Innis Speiden & Company; the late George D. Leavens '97, president of the Coe-Mortimer Company; the enterprising and genial Wiley '98, who has built up a successful business as consulting chemist at Baltimore. B. H. Smith '99, expert in the chemistry and

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FOURTH ANNUAL WORLD AGGIE NIGHT

To Be Held On October 28, 1922

Of course there will be a few away out in the wilderness and miles from the nearest village who may not attend, but the other alumni of M. A. C. will gather in one place or another to celebrate World Aggie Night, Saturday, October 28, 1922. World Aggie Night, a time set aside annually for good fellowship, the renewing of college memories, and the invigorating of college spirit, will be celebrated this year for the fourth time.

Fifty alumni throughout the country, in Cuba, Porto Rico, Hawaii, and Mexico have been selected and requested to act as chairmen for the various gatherings. Plans are already under way for the big time.

This issue of the *Bulletin* carries on another page a list of the chairmen that have been selected. The October issue will reach alumni too late to give the final details of the meetings. You should receive from the chairman nearest you announcements about the meeting. Should these notices fail to reach you, should it be more convenient for you to attend some other meeting, or should you be travelling and expect to be near another center on the 28th, write to the appropriate chairman or the Alumni Office for information; or, perchance, if in your locality there are two or more alumni who finding it impossible to attend another meeting, would like to hold one of their own send to the Alumni Office for the material sent to other centers.

Attend some meeting, renew old friendships, make new ones, enjoy the program, talk over college days, listen to the newest news from the campus, consider real college problems, get a momento or two for memories sake—in general have a good time, enjoy yourself, and profit somewhat by a broadened acquaintance with "Aggie Men" and a deeper interest in "Old Massachusetts."

EXECUTIVE COMMITTEE ACTION

At the September meeting of the Executive Committee, it was voted to issue the September number of the ALUMNI BULLETIN in six rather than four pages, and to mail it to all graduates of the college. Appropriation was made of not more than $200 to meet one-half the printing costs of an alumni register. A committee was appointed and given power to purchase filing cabinets at a cost of $175. Authorization was granted for printing mementoes for the World Aggie Night Meetings. Preliminary steps were taken toward securing oil portraits of Dean Mills and Dr. Fernald.

THE RELATION OF M. A. C. TO A STATE UNIVERSITY

Possible Reports of the Committee

A Review by President Butterfield

The appointment by the Governor of a commission to investigate the opportunities and methods for higher education in the Commonwealth may prove to be an epoch-making event in the history of M. A. C. It is fortunate that the inquiry is not limited to a discussion of organizing a new institution, because the problem of higher education is really much broader than that of establishing a state university.

Of course one cannot anticipate the report of the commission and this is probably neither the time nor the place for me to ventilate personal views. But it might be well to call attention to various possibilities in the way of a report from this commission as they would affect the status of the college.

1. The commission might advise that there should be no change in the present system. As a consequence M. A. C. would presumably go on as heretofore, although there would be no bar to developing further work in connection with the food supply problem, nor would it be impossible for the question of enlarging the scope of the college to be raised at some future time.

2. The report might be unfavorable to the building up of a new state university but favorable to the erection of M. A. C. into a state college, by broadening the scope of its work to include such things as science, business administration, professional courses and home economics. This, of course, is the solution that would probably call for the smallest expenditure and would utilize the present plant for the education of many who do not wish to go to the endowed institutions, but who are not interested in agriculture.

3. The report might be unfavorable to a new institution but favorable to the erection of M. A. C. into a state university. It is possible that this would not be a very different outcome from the one just suggested. The line of demarkation between a college and a university is not very clear, but in American educational develment a state university usually has a wider variety of work and more professional schools.

4. The report might urge the inauguration of an entirely new institution in the form of a university, located probably in the metropolitan area, and make no special reference to M. A. C., presumbly leaving the latter in its present form and with its present objectives.

5. Or the commission might advocate a state university such as has just been indicated, but with M. A. C. as one of its constituent colleges absorbed into its organization. In this case M. A. C. might be kept as an exclusively agricul-

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THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN

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OBITUARIES

Isaac N. Taylor, Jr., '85

Word has been received of the sudden death of Isaac N. Taylor, Jr., August 30, 1922, at San Jose, California.

Harry Dickinson Holland '84

Harry Dickinson Holland, 58 years old, died June 13, 1922, at his home in Amherst after a lingering illness.

Before and after graduation he worked in his father's grocery and hardware store. When his father died he took over the business in company with George J. Galloud. For many years past he has worked as a hotel clerk in Brattleboro, Bellows Falls, Boston, and other places. He was a member of Pacific Lodge A. F. & A. M., of Aleppo Temple of the Mystic Shrine at Boston, and a charter member of the Amherst Club. He is survived by his wife, son, two grandchildren, his mother and a brother, Edward B. Holland. —From the *Amherst Record.*

Earl Goodman Bartlett '07

Earl G. Bartlett died at the Kamehameha Schools, Honolulu, May 29, following a nervous breakdown.

For fourteen years he had devoted his efforts to the education and moral development of the native boys of Hawaii. In this work he had conspicuous success. His natural instinct as a teacher combined with qualities of high character, engaging personality, love of boys and sympathy with them at all times and his executive ability resulted in frequent promotion and finally placed him in the position of principal of the boys' department of the school. He declined repeated offers to engage in attractive business undertakings for which he was well qualified, because he felt that he could render a more effective service by continuing in the work to which he had dedicated his life.

His interests were broader than those represented by his school work; he identified himself with public affairs of the city of Honolulu; served in the "home guard" during the recent war, and became a trusted guide in the exploration of the islands which he conducted many expeditions.

Bartlett while in college was one of the prominent leaders of his time. Versatile in ability and with wide interests, he participated in many student activities, held several elective offices, and gave generously of his energy to the betterment of the college. He served on the *College Signal* board and was an associate editor of the *Index*; played varsity baseball, earning his "M" while a freshman; was a member of the Senate and served as its secretary; was college organist, played in the band and sang in the glee club. Near the end of his course he was elected to Phi Kappa Phi. He was also active in class affairs where his judgment was always valued, and was an influential leader in the Phi Sigma Kappa fraternity. Bartlett leaves behind him his wife and two daughters aged thirteen and nine.

Ralph J. Watts '07.

Relation to State University

Continued from page 1

tural college or its scope might be enlarged virtually into that of a state college.

6. The report might favor a state university to be composed of many units scattered about the state but all brought together under one administrative organization. In addition to the Agricultural College the state now supports eleven normal schools and two or three textile schools. Such a plan would allow for the development of other institutions either in the metropolitan area or in other sections of the state as they might be needed. In any such arrangement as this M. A. C. would presumably find its place; but, again, that might be defined as dealing with agriculture only or it might be broadened in all sorts of ways.

It would seem, therefore, that while there are various possibilities so far as the college is concerned, the question as to its scope may be considered in connection with almost any one of them. Shall it remain an agricultural college or shall it develop into a state college is a question that will probably have to be considered in connection with any one of these possible solutions of a large issue.

It is doubtful if Massachusetts can be governed in this matter very much by the experience of other states Nearly every other state in the Union has a state university and some twenty of them have both a state university and a state college. No state, as far as I am aware, has a system quite like that referred to in paragraph six.

I have no hesitation in saying that whatever is done by the Commonwealth with respect to providing enlarged facilities for higher education at public expense, M. A. C. should be allowed to do two things pre eminently well: first to handle all phases of agriculture and country life; and secondly, to develop much more fully than it has so far been able to do lines of work relating to all aspects of the problem of food supply for the people of the Commonwealth. Nothing should be done by the state in the way of building up any other institution that would curtail or minimize these functions of M. A. C. If it should seem best to add to the plant here facilities for more general types of education or for other phases of vocational education and research, these in turn should not be developed in such a way as to interfere with these two large objectives of this institution.

Kenyon L. Butterfield.

The Old Chem Lab.

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technology of flavoring extracts; the late R. D. Gilbert '00, of the Bowker Insecticide Company; P. C. Brooks '01 and C. M. Allen '14 with the General Chemical Company; Ladd '05, superintendent of the Isco Chemical Company; Pray '06 and Walter Dickinson '07, in the Cuban sugar industry; Everson '10, of the Georgia R. R.; Hazen '12, prominent in the fertilizer industry; Fitzgerald '12, of the Holyoke Gas Works; Holden '13, chemist in the employ of a large manufacturer of chemicals; Beals '12, with the Sheffield By-Products Company; Williams '12, and A. W. Brooks '14, with the Grasselli Chemical Company; Lucas '14, with the Nestle's Food Company; MacNeil '15, with the Borden Condensed Milk Company; Sauchelli and Perry '15, experienced in the rubber industry; Macy '15, manufacturing insecticides in Florida; Behrens '17, with the Naugatuck Chemical Company; and Chisholm '19, with the Rex Spray Company.

Chemists who by their ability, faithfulness, and industry have made a name for themselves or are coming forward in the fertilizer industry include Carpenter '87, chief chemist of the Virginia-Carolina Chemical Company; Moore '88; the late Charles S. Crocker '89; F. J. Smith '90; Pingree '99; Bangs '08; Holland, Kingsbury, and Merkle '12; Weigel '14; Rogers '17; and Stjernlof '19.

Among the control and inspection chemists are Kellogg '00, who has developed the inspection service of the Pennsylvania Department of Agriculture; Proulx '03, state chemist of Indiana; Haskins '90, Smith '97, and Walker '05 of the Massachusetts Experiment Station.

A large number of men have become teachers, administrators, and investigators, among whom I mention Wellington '73, connected with the department of chemistry of M. A. C. since 1885; Washburn '78, formerly president of the Rhode Island State College and the National Farm School; Howe '78, president of the Case School of Science; Stockbridge '78, chemist, college president, and agricultural writer; the dynamic Hills '81, dean of the College of Agriculture and director of the Vermont Experiment Station; the late W. E. Stone '82, head of the department of chemistry and afterwards president of Purdue University; keen minded Wheeler '83, formerly director of the Rhode Island Station and investigator in soil fertility: Allen '85, director of the office of experiment stations and a power in stimulating a high grade of agricultural research; the loveable Flint '87, formerly head of the department of chemistry of the University of Florida and now with the United States Department of Agriculture; Hartwell '89, present director and chemist of the Rhode Island Station; Jones '90, of the Vermont Station; the diligent and exact Holland '92, research chemist at the Massachusetts Station; Walker '94, natural teacher and head of the department of physics in the boys' high school in Brooklyn; Howard '94, head of chemistry at Norwich University; Peters '97, professor of chemistry at M. A. C.; Parmenter '00, professor of chemistry at Colby College; Carpenter '02, distinguished investigator in human nutrition connected with the Carnegie Institute; the careful Tottingham '03 professor and investigator at the University of Wisconsin; Newton '04, head of the chemistry department at Storrs; and Lyman '05, professor of physiological chemistry at Ohio State University.

Among the younger men coming forward I venture to include C. A. Smith '11, of the Jefferson Medical College; Ostrolink '11, president of the National Farm School; Lamson and Noyes '12; Serex '13; D. A Coleman '14, of the Bureau of Markets; Foster '14, head of chemistry at Framingham Normal School; Marsh '15, of the bureau of plant industry; Tarr '15, at the Delaware Station; Pierce '17, teacher of chemistry at the Pennsylvania State College; Holder '17, food chemist; Johnson '18, at the Iowa State College; and Mather '19, at the Maryland Experiment Station.

J. B. Lindsey '83.

(Dr. Lindsey, himself a product of the Old Chemical Laboratory, is head of the department of chemistry at M. A. C. and vice director and chemist of the Massachusetts Station.)

MARRIAGES

'95.—Mr. and Mrs. James S. Parker announce the marriage of their daughter Harriet Glass to Mr. George Austin Billings on Tuesday, July 18, 1922 at Washington, D. C.

'12.—Mrs. Mary E. Richtmyer announces the marriage of her daughter Frances Elizabeth to Mr. Herbert James Stack on Saturday, June 24, 1922 at Roxbury, New York.

'16.—Charles H. Fernald, son of Dr. and Mrs. H. T. Fernald of Amherst, was married Saturday, August 4, 1922 to Miss Vesta W. Winn of Waltham, Mass.

'16.—Announcement has been received of the marriage of Carlton Merrick Gunn to Miss Cora May Quimby on August 16, 1922 at Amherst, Mass.

'16.—Charles E. Hathaway, Jr., was married to Miss Madeleine Perkins on July 15, 1922 at Somerset, Mass.

'17.—Milford R. Lawrence was married to Miss Lucille Elizabeth Grosskopf on July 19 at Minneapolis. Now at home in Falmouth, Mass.

'17.—Horace G. Marchant and Margaret F. Jennison were married at Bay City, Michigan, July 17, 1922. They are residing at 16 River Street, Boston, Mass.

'17.—Charles F. Quimby was married to Miss Mary F. Ellis of Westwood, Mass., on June 22, 1922.

'18.—The marriage of Frank Bainbridge in Patterson, N. J., the latter part of August, has been announced.

'18.—Arthur M. Howard married Miss Louise May of Pittsfield, September 14, 1922.

'18.—Mr. and Mrs. George S. Hulme announce the marriage of their daughter Fannie Elizabeth to Mr. Harold Carter Fellows on Thursday, April 27, 1922 at Ballston, Virginia.

'18.—Announcement has been received of the marriage of Raymond T. Stowe to Miss Jane Gordon of Hazardville, Conn., in April, 1922.

'19.—Raymond Parkhurst was married July 31, 1922.

w'19.—Announcement has been received of the marriage of James P. Davies to Miss Ruth McAllister of Auburndale, Mass., on June 28, 1922.

'21.—Richard B. Lambert was married to Miss Dorothy E. Peck of Stow, Mass., on July 19. 1922.

'21.—Mr. Henry A. Hollis announces the marriage of his daughter Gertrude Elizabeth to Mr. Richard A. Mellen on Saturday, August 12 1922, at Amherst.

'21.—Frederick K. Zercher married Miss LeNare Wood England of Painted Post, New York, on November 24, 1921. Mr. Zercher is, at present, district sales supervisor for the "Wear Ever" Company of New York. After October 1 he will take the position of assistant to the Manager of the Specialty Sales Department at the home office in New Kensington, Pa.

'14.—Leon E. Smith superintendent of the Pittsford (Vt.) Boys' Club, was camp director of Camp Sangamon for Boys in the town of Pittsford. The camp was open for its first season, this summer and is to be a permanent summer camp. Mr. Smith's associate was H. M. Gore '13. A. W. Spaulding '17 and Lorin E. Ball '21 assisted as camp leaders. Thirty-two boys were in attendance this year.

CLASS NOTES

'15.—Henry H. White has gone to China with his wife, daughter and son, to engage in educational work. He expects to return in 1927.

'15.—William R. Sears has returned from Europe after having traveled for over a year in Italy, France and England. He has been visiting Amherst during September.

w'15.—Eleanor Bisbee is a reporter for the *Herald*, Miami, Florida. She writes: "Although I am one of the early co-eds and not an "Aggie Man" I am still informing the world, or such portions of it as ever happen to inquire, that M. A. C. gave me more real and effective education, although I did not get my degree there, than any other school I have been in. As long as Prexy Butterfield, and Dean Lewis and some of the faculty keep hammering away at their idea of having intelligent graduates (as far as the students are capable of becoming intelligent) I'm all for Massachusetts Aggie."

"Heretofore that loyalty has had to be fairly intangible. Now I enclose dues, which isn't much but will keep me in touch, I hope, so that if ever I can do more I'll know what is going on."

'17—Carlton M. Stearns has been working on the Market Gardening project at the Essex County Agricultural School for the summer.

'19.—V. A. Fogg writes from Norwich, New York: "There isn't a better County in the United States than Chenango, where I am now located. Was up to the Thousand Islands a short time ago but didn't stop in Canada. Have recently returned from Michigan where I investigated lime from quarry to consumer. Glad to see any M. A. C. men any time."

'19.—William F. Glavin of Wenham, is a tree surgeon and at present is working on the trees in Boston Common.

'20.—Announcement has been received of the engagement of Alfred A. Clough to Miss Evelyn Usher of Wollaston. Mr. Clough is now selling water systems in southeastern Massachusetts for the Duro Pump Company of Boston.

'20.—The engagement of Robert S. Horne to Miss Carolyn F. Rogers has been announced. The wedding will take place in October.

'20.—William A. Luce is Deputy Horticultural Inspector in Wenatchee, Wash. He writes that he is still holding down a job as inspector in the district office at Wenatchee. Has been doing field work since June. Car inspection of apples starts about September 1 and he expects to certify about 10,000 cars in the district.

'21.—Guy West, who has been employed for the past year by the grounds department at M. A. C., has left to take up work in a new position at the Fall River Country Club.

w'22.—Howard G. DuBois graduated from the New York University last June and is now with the Telephone Co.

'22.—Frederick V. Waugh is with the New Jersey Bureau of Markets, located at Trenton.

'22.—Stanley W. Bromley is returning to take up graduate work.

'22.—The engagement of H. W. Spring and Miss Mildred Edwards, graduate student during 1921-22, has been announced.

BIRTHS

w'05.—A daughter, Jean Frances, was born to Mr. and Mrs. C. E. Brett on August 1, 1922.

'07.—Born March 1, 1922 a daughter, Phyllis, to Mr. and Mrs. Milford H. Clark, Jr., of Buffalo, N. Y.

'09.—A son, Herbert Kingsbury to Mr. and Mrs. H. Linwood White on January 10, 1922.

'11.—Mr. and Mrs. Charles M. Damon announce the birth of a son, Glenn Russell, on June 18, 1922. Weight 8 3-4 pounds.

w'11.—Born February 5, 1922 a son Sherman Field, to Mr. and Mrs. John E. Dudley, Jr., of Madison, Wisconsin.

'13—Virginia Lee to Mr. and Mrs Herbert Wallace Headle on May 4, 1922.

'14.—A girl, born May 23, 1922 to Mr. and Mrs. A. S. Thurston of College Park, Maryland.

'14.—Born August 6, 1922 a son, Charles Newton, to Mr. and Mrs. Raymond Warner of Sunderland, Mass.

w'14.—A daughter, Pauline, born September 13, 1921 to Mr. and Mrs. L. O. Anderson of Concord, Mass.

'16.—A daughter, Beatrice, born to Mr. and Mrs. E. H. Boyer.

'16.—To Mr. and Mrs. Harold A. Mostrom, a son, Donald Gordon born July 30, 1922.

'17.—Mr. and Mrs. Dana O'Merrill, of Pepperell, Mass., are the proud parents of a son, Dana Walker, born August 11,1922. Weight 6 pounds.

'18.—Born August 3, 1922 to Mr. and Mrs. Louis M. Lyons, a son, Richard Louis.

'18.—Louis Schwartz writes: "Proud daddy of a baby girl, born February eighth, nineteen twenty-two." Louis Schwartz married Miss Lida Polep of Acton, Mass., April 30, 1921.

'19.—August 5, 1922, a son, Milton Henry, to Kenneth S., and Charlotte Wells Williams.

'20.—Born June 30, 1922, a son, William Alden, to Mr. and Mrs. D. A. Hurd. Mr. Hurd is now selling lightning rods in Stamford,Conn.

'21.—Born, to Mr. and Mrs. Gordon K. Hurd, a son, Yorick Gordon, on June 30, 1922 at Santee, Nebraska. Gordon Hurd is assistant Principal and Instructor in Agriculture, Shop, and Science at the Santee Normal Training School He writes: "It may be good news to some of you to know that there is one hot and dry place in the United States. I remember making out a rainfall map for Doc Cance's Aggie Economics which showed an annual rainfall of 25 inches for this locality. Will someone page Noah and ask him to build us an Ark pronto because I'd hate to say that anything I got under Doc was erroneous and we are thus due for 15 inches of rain in the next fifteen days?

"This school is a rather small and not-too-well supported institution which is laboring on a tremendous job. I find the Indians an entirely different people from my expectations but a few individuals who have risen from the ranks of the erstwhile savages convince me that our labors are serving to elevate the race to a higer plane."

'22.—Herbert L. Collins is to be at M. A. C. as an instructor in Physical Education.

w'22.—Peter A. Crichton graduated from New York University last June and has recently joined the employ of Rutter & Co., 14 Wall St., N. Y. C.

CLASS NOTES

'75.—E. B. Bragg, vice-president of the General Chemical Company, has been transferred from Chicago, Ill. to Carmel, Cal.

'78.—ITEM! The class of 1878 has set a boulder near the entrance to the north avenue leading to the campus bearing a bronze plate with the following inscription: "Elms both sides to causeway set in 1875 by the class of 1878."

'85.—Dr. Joel E. Goldthwait, has recently suffered a great loss in the death of his younger son, Vincent, due to accidental drowning in Lake Champlain. He was a Junior at Harvard University, intended later to take special courses at M. A. C., and was to follow agriculture as a vocation. Dr. Goldthwait and his son had planned to carry on a number of farms located in different sections of the state devoted to special crops and the young man was looking forward with much enthusiasm to his future work. The profound sympathy of all alumni will go out to Dr. Goldthwait in his bereavement.

'88.—Herbert C. Bliss, jewelry salesman at Attleboro, left home on July 29 to take a western trip, going south to Kansas City, Mo., west to Denver, Col., and north to Duluth, Minn. He expects to arrive home Oct. 1st. Mr. Bliss spent Sunday, August 13 with E. E. Knapp '88 at New Kensington, Pa., and the evening of September 6 with C. L. Wirth '23 at his home in Minneapolis, Minn.

'88.—E. E. Knapp has been laid up with a broken arm during the month of August, received from cranking a car.

'89.—Mark N. North, formerly of Cambridge has moved to East Kingston, N. H. where he will continue his veterinary practice.

'92.—Jewell B. Knight, Professor of Agriculture and Director of the Experiment Station in Poona, India, is at his home in Belchertown for a furlough.

'94.—Charles P. Lounsbury of Pretoria, South Africa, arrived in America shortly after Commencement. After a few weeks at his home in Roslindale he visited the "Class Boy" James Anderson Lounsbury at Madison, Wis. His plan is to visit California and in the fall to return to the east and spend a few days in Amherst and vicinity before leaving for South Africa.

'94.—Dorothy, daughter of Mr. and Mrs. H. Preston Smead, was married to Theoron Harvey on July 20, 1922, at Rochester, Vt.

'00.—Dr. A. W. Morrill, Consulting Entomologist of Los Angeles, Cal., with office at 6001 Pasadena Ave., has renewed his contract for providing investigational and advisory services for the vegetable growers in the Fuerte Valley, Sinaloa, Mexico. An experienced assistant with duties somewhat comparable to those of a county agricultural agent in the United States will be located at Los Mochis, Sinaloa, where an experiment and demonstration farm will be conducted. The principal problems relate to the control of insect pests and plant diseases. Dr. Morrill will continue to make occassional trips to Mexico in connection with this and other contracts and business matters in which he is interested.

PUBLICATIONS

'81.—Dr. J. L. Hills and C. H. Jones '90, respectively director and chemist of the Vermont Experiment Station, are co-authors of bulletin 216 from that institution—"Commercial Fertilizers, Commercial Feeding Stuffs, Agricultural Seeds."

'82.—Charles S. Plumb, professor of Animal Husbandry at Ohio State University, has a new book just coming off the press, "A Study of Farm Animals," for use in secondary schools, short agricultural courses, etc. Webb Publishing Co., St. Paul, Minn, are the publishers. There are about 550 pages and 250 illustrations.

'89.—There was published in the May issue of *Soil Science* an article by Burt L Hartwell, Ph. D., entitled "The Substitution of Stable Manure by Fertilizers, Green Manures, and Peat." Dr. Hartwell also published in the *Journal of the American Society of Agronomy* an article stating that farm crops must be grouped in accordance with their response to each fertilizer ingredient before they can be fed intelligently. In the same number of the journal Dr. Hartwell traces the evolution of fertilizer practice.

'03.—E. G. Proulx, State Chemist of Indiana, is author of the most recent fertilizer control bulletin from the Indiana Experiment Station—Bulletin 262, "Commercial Fertilizers."

'04.—In the May issue of the *N. A. T. C. S. Bulletin* there is an article regarding Jackson College by Prof. Z. T. Hubert, who is president of the college.

'06.—S. S. Rogers, Bureau of Standardization, State Department of Agriculture, Sacremento, Calif, is co-author of a paper under the title "Review of the 1922 Brocolli Season at Colma, Calif."

w'06.—Stanley F. Morse describes in *Facts About Sugar*, July 22, 1922, how scientific methods applied to sugar production have increased the yield at Central Constancia, Cuba. The technical work was planned and supervised by Mr. Morse, a consulting agricuitural engineer. This work included a survey of the land, reorganization of cultural methods, a study of fertilizer application, and soil improvement.

'07.—An editorial was published recently in the *Miami Herald* concerning the work Mr. J. Gerry Curtis has been doing to beautify that city. As head of the park department Mr. Curtis has set out trees, and through his efforts Miami's unusually treeless streets are being beautified.

'07.—John N. Summers, a scientific assistant in Gipsy Moth and Brown Tail Moth Investigations, Bureau of Entomology, has written Department Bulletin 1080, "Effect of Low Temperature on the Hatching of Gypsy Moth Eggs."

'08.—J. A. Hyslop, Entomologist in charge Insect Pest Survey, Bureau of Entomology, United States Department of Agriculture, is author of Bulletin 1103, "Summary of Insect Conditions Throughout the United States During 1921."

'11.—S. R. Parsons is joint author of Technologic Paper No. 211 of the Bureau of Standards, entitled "Radiators for Aircraft Engines," which was published during the summer. The paper contains 185 pages, and is a fairly exhaustive treatise on the subject, treating both experimental and theoretical aspects, and giving complete results of the investigation of aircraft radiators carried on at the bureau during and following the war. Mr. Parsons is instructor in physics at the University of Michigan and consulting physicist of the Bureau of Standards.

'12.—H. A. Noyes in *Industrial and Engineering Chemistry* advances data to show that cultivation enables a crop to be grown with less moisture.

'19.—William Mather, while at the Rhode Island Experiment Station, wrote an article on "The Effects of Limes Containing Magnesium and Calcium Upon the Chemical Composition of the Soil and Upon Plant Behavior." Mr. Mather is now assistant in soils at the Agricultural Experiment Station at College Park, Maryland.

'20.—Charles F. Doucette, Junior Entomologist in the United States Department of Agriculture is joint author of an article in the June number of the *Journal of Economic Entomology*.

CLASS NOTES

'95.—W. D. Hemenway, City Beautiful Expert, with the Extension Department of the Art Institute of Chicago, is president of the Connecticut Chautauqua, Inc. He will give lectures on Nature Study and practical demonstrations of canning and drying at this Chautauqua.

'02.—A. L. Dacy has resigned his position as Professor of Vegetable Gardening to engage in growing small fruits and vegetables at Westboro

'97.—H. P. Wood, formerly engaged in entomological work for the U. S. Department of Agriculture in Scotia, N. Y. has moved to new headquarters at Sandusky, Ohio, where he will conduct corn borer work.

'08.—H. M. Jennison finished his post graduate work at the Henry Shaw School, Washington University, St. Louis, and was granted a Doctor of Philosophy degree June 8, 1922.

'09.—Charles H. White, formerly manager of the State of Maine Chamber of Commerce is now president of the Willis H. White & Sons Real Estate and Insurance Company of Providence, R. I.

'11.—Chester E. Coles spent a short time on the campus during August. He is a jeweler's toolmaker at Attleboro.

'12.—G. E. Merkle has resigned as chemist for the National Carbon works to become chief chemist for the Fiske Brothers Refining Company of New York.

'13.—Stuart Moir is with the Forestry Division of the Lawrentide Company, Limited, Grand Mere, P. of Q., Canada. He writes that he has recently been fighting forest fires which have been ravaging the St. Maurice Valley. His work is to make operating and management plans for the Lawrentide Company timber limits. He has been elected a member of the Quebec Society of Forest Engineers.

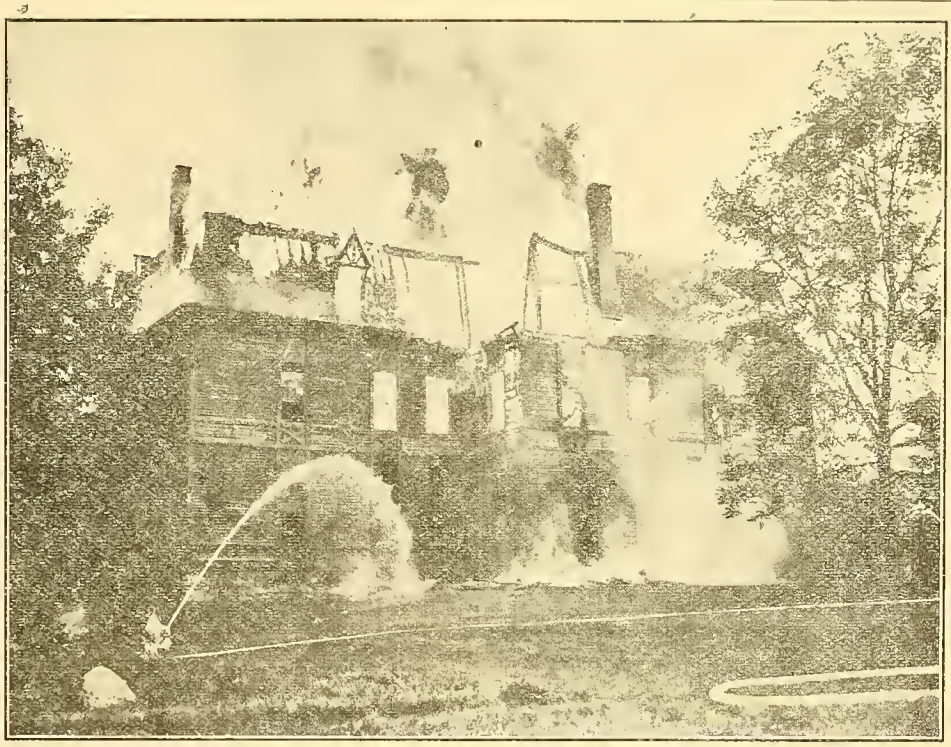
'14.—Leland H. Taylor received the degree of S. D. at Harvard, June 1922. He has been appointed instructor in Zoology at West Virginia University.

WORLD AGGIE NIGHT CHAIRMEN

Possible Meeting Centers

Berkeley, Calif.—Stanley B. Freeborn '14, 568 Spruce St. J. W. Gregg '04, 2249 Glen Ave.
Los Angeles, Calif.—E. F. Damon, '10, Fruit Growers' Exchange.
Denver, Colo.—Josiah N. Hall '78, 1344 Elizabeth St.
Hartford, Conn.—A. W. Spaulding, '17, 206 Farmington Ave.
New Haven, Conn.—Raymond K. Clapp '12, 550 Central Ave.
Stamford, Conn.—T. H. Reumann '18, 12 Spring St.
Storrs, Conn.—H. J. Baker, '11, Connecticut Agricultural College.
Cuba—W. E. Leonard '10, Central Soledad, Cienfuegos.
Washington, D. C.—H. J. Clay '14, 2603 Monroe Street, N. E.
Atlanta, Ga.—H. R. Gaventa '16, 311 East Fourth Street.
Honolulu, Hawaii—A. M. Nowell '97, 2013 McKinley Street.
Chicago, Ill.—T. J. Moreau '12, 14050 Dearborn Street.
East St. Louis, Ill.—P. C. Brooks '01, 553 Veronica Avenue.
Lafayette, Ind.—O. C. Anderson '13, Purdue University.
Ames, Iowa—W. R. Sears '15, Iowa State College; F. H. Culley '13, 725 Hodge Avenue.
New Orleans, La.—H. J. Neale '09, 1303 Calhoun Street.
Bangor, Me.—L. S. Corbett '09, University of Maine, Orono.
Portland, Me.—
Baltimore, Md.—M. H. Pingree '99, Ruxton, Md. George M. Campbell '20, Ridgewood Road. Roland Park.
Amherst, Mass.—E. F. Gaskill '06, Experiment Station, M. A. C.
Alumnae—Miss Harriet Hilliker, 27 Gage St., Lynn, Mass.
Boston, Mass.—Louis W. Ross '17, 40 Court St.
Fitchburg, Mass.—H. D. Clark '93, Pearl Hill Road; Thomas Casey '01, 336 Main Street.
Greenfield, Mass.—J. H. Putnam '94, 189 Silver Street.
Pittsfield, Mass.—F. F. Cooke '01, Richmond, Mass.; R. M. Gibbs '12, 57 Taylor Street.
Springfield, Mass.—J. D. Birchard '17, 387 Main Street.
Worcester, Mass.—E. S. Wright '15, 118 Woodland Street.
Sinaloa, Mexico—R. H. Van Zwaluwenburg' 13, United Sugar Co., Los Mochis.
Detroit, Mich.—Gunnar E. Erickson '19, Detroit County Day School.
Ann Arbor, Mich.—Max Marshall '18, East University Avenue.
East Lansing, Mich.—C. P. Halligan '03, 324 Oak Hill Avenue.
Minneapolis, Minn.—P. W. Latham '17, 2115 Franklin Ave.
Bozeman, Mont.—F. S. Cooley '88, Director, Montana Extension Service.
Albany, N. Y.—R. W. Smith '17, Cambridge, New York.
Bufialo, N.Y.—Harry B. Filer '06, 13 City Hall.
Ithaca, N. Y.—E. A. White '95, 316 Parkway.
New York, N. Y.—W. L. Morse '95, Grand Central Terminal.
Charlotte, N. C.—H. B. Bursley '13, 10 South McDowell Street.
Cleveland, Ohio—A. S. Tupper '14, 1520 Euclid Avenue.
Columbus, Ohio—R. F. Taber '16, 248 East Patterson Avenue.
Corvallis, Ore.—R. L. Peck '04, College Crest.
Philadelphia, Pa.—Edgar A. Perry '16, Juliustown, N. J.
Pittsburg, Pa.—T. W. Nicolet '14, 1200 Jones Building; F. K. Zercher '21, New Kensington, Pa.
State College, Pa.—E. I. Wilde '12, 200 West College Avenue.
Porto Rica—H. T, Cowles '19, Mayagues.
Providence, R. I.—W. S. Fisher '98, 108 Ontario Street.
Richmond, Va.—F. B. Carpenter '87, 502 Hawthorne Avenue.
Seattle, Wash.—F. D. Couden '04, 2010 North Eighty-second Street.
Madison, Wis.—J. E. Dudley, Jr., '11, 1532 University Avenue.

Names in heavy type indicate centers where meetings have been definitely arranged for.



A BIT ABOUT FOOTBALL

The Schedule

Oct 7. Connecticut Aggies at Storrs.
14. Worcester Tech at home.
21. Amherst at home.
28. New Hampshire at home.
Nov. 4. Bates at home.
11. Stevens at Hoboken, N. J.
18. Tufts at Medford.
25. Michigan Aggies at East Lansing, Mich.

What Coach Gore Says

"This year's Varsity will engage in more games of greater interest to alumni and the general public than ever before in the history of Aggie football. This fall the 'Twenty-two Team' will carry 'Massachusetts Aggie' to Boston, New York, Connecticut and Michigan Our home games, too, shape up as increasingly important, with Amherst on our home field for the first time ever and hard tilts with New Hampshire and Bates. Not only does this fall's schedule loom up in importance from the standpoint of 'Aggie' publicity but in difficulty it ranks with any small college schedule in New England and then some."

The Captain, Manager and Coaches,

R. H. Grayson '23, Captain.
John L. Whittier '23, Manager.
Prof. Curry S. Hicks, General Manager.
H. M. Gore '13, Head Coach.
E. E. Grayson '17, Assistant Coach.
Prof. Victor A. Rice, Assistant Coach.
Herbert L. Collins '22, Freshman Coach.

Alumni Advisory Committee.

S. S. Crossman '09	J. J. Maginnis '18
W. V. Hayden '13	B. F. Jakeman '20
S. A. Dole '15	S. M. King '21
G. D. Mellican '15	A. D. Long '21
G. B. Palmer '16	H. W. Poole '21
Forrest Grayson '18	G. A. Cotton '22

Alumni interested in helping out the team should write to H. M. Gore, head coach.

CHEMISTRY BUILDING BURNED

Completely Destroyed Early September 6

Only blackened timbers mark the spot where the old chemical laboratory stood for fifty-five years. An employee of the college discovered the fire soon after six o'clock on the morning of September sixth. Smoke at that time was pouring from the stockroom. The Amherst fire department responded promptly to the alarm which was telephoned in.

Members of the chemical staff aided by others made strenuous efforts to save some of the contents, but because of the smoke it was possible only to remove the small chemical library and some of the notes belonging to the teachers. A portion of an unpacked order was removed from the basement, and after the fire was subdued more or less glassware was salvaged from the basement storeroom. It is to be regretted that most of the pictures of distinguished chemists placed in the building by Professor Wellington were lost.

Comparatively few saw the fire. Smoke coming from the windows and from the cornices about the building was very pronounced, and the fire for a time seemed confined to the partitions. When, however, it burst through the roof and huge flames shot into the air, hope of saving the building quickly vanished. Although the atmosphere was quiet, the intense heat scorched the woodwork slightly on North College, but an application of water prevented it from taking fire.

Through the courtesy of other departments, together with the loyal support of the president and trustees, it will be possible this year to give the chemical courses in Stockbridge Hall, Flint Laboratory and the Microbiology Building.

The construction of the new chemical laboratory was begun in late July and the first story is now in process of erection.

For those older alumni, to whom memories of the old chapel bell are well nigh sacred, let it be said that the belfry and bell were removed some years ago and the bell now rests in the trophy room in North College.

The following Deaths have been Reported

'72 Charles A. Barker, December 21, 1921.
'72 Frederick W. Morris, November 9, 1921.
'93 William H. Ranney, July, 1922
'96 Josiah E. Green, June 23, 1922, in Berkley, California.

COMMENCEMENT PARAGRAPHS—CONDENSED NEWS OF THE REUNION

1882 Wins The 1914 Class Cup.

Following the two general commencement reunions of 1920 and 1921 it was expected that but a small number of alumni would return for the 1922 celebrations. The total registration, however, was 196, and as usual this was not indicative of the number present, many alumni failing to register. The total registration included 175 graduates and 21 former students. Forty of the 51 classes had at least one member present.

The 1914 class cup for Commencement attendance was awarded this year to the class of 1882, gathered for their fortieth anniversary. The leading classes were as follows:

Class	Percent of living graduates present
1882	57%
1875	55¼
1921	28
1872	25
1873	20
1879	20
1912	20
1920	19
1871	17
1903	17
1896	16
1904	15
1907	15

The Associate Alumni Elect Officers

Important action taken at the annual meeting of the Associate Alumni included the adoption of a budget and outline of projects for the year and the launching of a campaign for associate members. It was voted to continue World Aggie Night, to secure a portrait of Dean Mills, and to express the appreciation of the alumni for the fine work that has been done for the college by Professor Curry S. Hicks. Printed reports of the officers and committees of the association were presented at the meeting. The following officers for the year were elected:

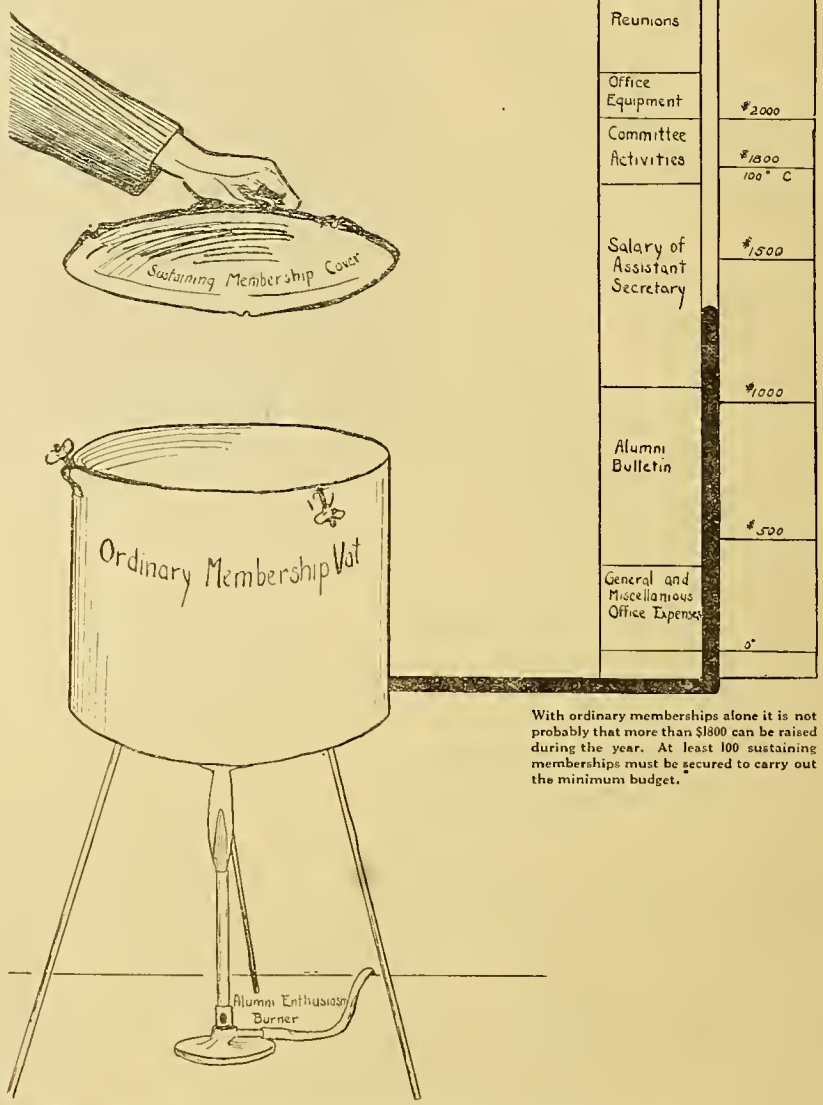
President—Herbert J. Baker, '11.
Vice President—Sidney B. Haskell '04.
Secretary—Sumner R. Parker '04.
Treasurer—Enos J. Montague '15.
Delegates to the Executive Committee:
Frederick Tuckerman '78.
Charles A. Peters '97.
Philip F. Whitmore '15.

'87 Man Recognizes Classmate's Son.

A rather remarkable Commencement incident and yet one illustrative of commencement spirit was related to the editor about as follows: At the breakfast meeting of the Aggie Varsity Club, Frank S. Clarke '87 glancing across the table was struck by the familiarity of a young alumnus. So sure was he that at some time or other he had met this person, he rose from his seat, walked around the table, and asked this young man his name. To Mr. Clarke's surprise and delight, the young alumnus who he felt sure he had at some time seen was a son of a classmate of his, William M. Ball, whom he had not seen since college days. Clarke and Ball, both of '87 had played on the same baseball team while in college. Lorin E. Ball '21, the son, had won the "M" on the baseball teams of recent years.

CLAMP THE LID ON

It is a law of physics that at atmospheric pressure water can be heated only to 100°C. Under pressure much higher degrees may be reached.



With ordinary memberships alone it is not probably that more than $1800 can be raised during the year. At least 100 sustaining memberships must be secured to carry out the minimum budget.

A New Organization Formed

Formal organization of the Academic Activities Alumni Club was perfected at the Commencement meeting of alumni interested in academic activities. The following officers were elected:

President, Roland H. Verbeck '08.
Vice President, E. Raymond Vinten '22.
Secretary, Richard A. Mellen '21.

Steps were taken to improve the COLLEGIAN, to increase student recognition of the value of participation in academic activities, and to secure an award for meritorious service.

Aggie Varsity Club Meets.

The Aggie Varsity Club at its meeting Monday morning passed resolutions recognizing the urgent need of an adequate gymnasium and appointed a committee to undertake a campaign of agitation to secure its construction at the earliest possible date. John R. Perry, '93-president of the Varsity Club was named chairman of this committee. Another resolution directed the secretary of the Club to invite the "M" men now in college to form an "Associate Undergraduate Varsity Club." Further action provided for the award of certificates of membership and for the admittance to membership of "A. M. A." men and members of varsity teams before the days of the "M" award.

'16.—Theodore W. Glover, Jr., who is agricultural instructor and general science teacher at the Easton High School, has been elected president of the Teachers' Club for the coming year. This Club is made up of about 40 teachers.

A limited number of copies of the "Annual Report of the Officers and Committees of the Associate Alumni of M. A. C." presented at the commencement meeting are available for distribution and will be mailed on request.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, October 25, 1922 No. 3

ATHLETICS ARE OVERSTRESSED AT M. A. C.

The Fallacy of So-Called "College Spirit"

Aggie Needs to Take Stock

The football season has ushered in the usual intense display of "college spirit", that artificially stimulated frenzy of athletic patriotism which demands that every freshman not in classes be on the sidelines at football practice to cheer the weary scrubs in their self-effacing efforts to sustain a varsity attack; but which never has been known to exert its influence to fill so much as a single row of seats at a varsity debate.

The college is united in its efforts to produce a winning team. The football captain has publicly exorcised the sophomore and junior classes for having turned out fewer than two full elevens at practice the day before college opened. He has sent the admiring freshmen scurrying to their studies with the effective adjuration, "You can't be a dumb-bell and play football."

A winning team seems to be the be-all and end-all of this "college spirit." We must have a winning team to retain alumni support, and to procure that essential publicity of the sporting page headline by which, as every educator knows, educational institutions are maintained and nourished. (?)

Now I enjoy a football game as well as the next man. But I insist that the disproportionate clamor that is raised about football has a pernicious influence upon the other student activities at Aggie, many of which may be vastly more important than football. When I say football, I mean equally the other so-called "major" sports, baseball and basketball, which are played under the same intensive machine system, and which enjoy with football the exclusive right to invoke the full quota of "college spirit" from all students.

What matters other interests? The lure of the autumn hills? Soccer, so well adapted to intra-mural contests? A desire to learn tennis, one of the few games a college man can play after college? An old Harvard football man told me the finest sportsmen he ever met were tennis players. We had varsity tennis in my freshman year. That died of the same disease that has put a blight on cross country and track, both games that offer a greater diversity of athletic opportunity than football. The stereotyped fetish dictates an all-absorbing interest in football so long as this most violent manifestation of athletics is in season.

And how about the other college activities: the Roister Doisters, Glee Clubs, Collegian, judging teams, professional clubs; the activities, indeed, by which the public really does judge the college as an educational institution? All very well, just so that they do not interfere with athletics. Of what importance is a scheduled rehearsal if it is suddenly decided that the team of the hour needs a "peptalk" that evening, even though all the afternoon was spent in practice? The versatile athlete who would apportion his time and talent and dares to

Continued on page 2.

WORLD AGGIE NIGHT

World Aggie Night is to be celebrated with all the appropriate festivities, Saturday, October 28. The September issue of the *Bulletin* carried information concerning meeting places, to which list the following changes should be made:

Additional Meetings:

Miami, Fla.—Reginald Hart '16, Box 842.

Dayton, Ohio—Roy F. McKechnie, '15, San Rae Gardens.

Valley Station, Ky.—R. E. Nute '14, Kentucky Orchard Co.

Postponed:

New York City—November 11, 1922.

Columbus, Ohio—October 30, 1922, 6 P. M., Neil House.

Washington, D. C.—November 20, 21 or 22.

Further Information:

Hartford, Conn.—Hotel Bond, 6.30 P. M.
Baltimore, Md.—To meet with the Washington group.
Amherst—Draper Hall, 6.45 P. M.
Greenfield, Springfield—To meet with the Amherst group.
E. Lansing, Mich.—421 Hill Crest Ave., 7.30 P. M.

Philadelphia, Pa.—Hotel Adelphia, 7 P. M.
State College, Pa.—University Club, 6 P. M.
Providence, R. I.—King Fong Restaurant, Reception 6-6-30, Banquet 6.30 P. M.
Pittsfield, Mass.—American House 6-30 P. M.
New Haven, Conn.—Graduates' Club, 7 P. M.
Chicago, Ill.—Union League Club, 6-30. P. M.
Madison, Wis.—Hick's Cafe, 6-30 P. M.
Albany, N. Y.—Keeler's Restaurant, 8-00 P. M.

EXECUTIVE COMMITTEE ACTION

The following action was taken at the October meeting of the Executive Committee:

1. An additional $75, making a total of $275, was appropriated to meet one-half the cost of printing an alumni directory.

2. A committee was appointed to confer with the Assistant Secretary relative to the collection of Memorial Building Pledges and the completion of the Sustaining Membership Campaign.

3. A committee was appointed to formulate resolutions on the death of the late Dr. James B. Paige. Action of the Vice-President in authorizing the sending of a wreath from the Associate Alumni was approved.

4. The monthly budget report showing total receipts of $1546.08, total expenditures of $364.31, cash on hand of $1181.77, and necessary further receipts of $838.92 was accepted.

The publication of an alumni directory is again under way. A return postal has been sent you—return it promptly. Don't take a chance; make certain that the information about yourself is accurate and complete.

WHY THEY CAME TO COLLEGE AT M. A. C.

Other Facts About the Freshman Class

Class Totals 187

One hundred and eighty-seven freshmen are enrolled this year at M. A. C. This figure is gratifying, indicating as it does a steadily increasing enrollment. Twenty-five more entered this year than in 1921, and fifty more than in 1920.

Now each of these 187 students are individuals, they have come from various places, are of varying ages, have had different experiences, and differ in other ways. It is the purpose of this article to analyze to a certain extent various interesting facts about the class.

First, their ages: With the exception of a few, who in the excitement of matriculation were lost in the shuffle or forgot they were born some years ago rather than in 1922, the following table is complete.

Years	No.	Years	No.
16	12	22	2
17	35	23	8
18	57	24	1
19	36	26	1
20	18	29	1
21	8		

The average based on the above table is 18.6. The average in 1921 was given as 19.48, and in previous years has been 19 and a fraction, excepting in 1918, when it was 18.84, due probably to the older men having entered the service.

Turning next to find from whence they came, we see that studied on the basis of counties and compared to the average for the ten-year period, 1912-21, the following table results:

	1922		Average %
County	No.	%	1912-21
Middlesex	30	16.05	18.85
Worcester	22	11.77	10.47
Suffolk	11	5.88	8.70
Hampshire	18	9.63	8.58
Essex	12	6.42	8.51
Hampden	34	18.19	7.06
Norfolk	5	2.67	5.49
Franklin	16	8.56	5.04
Plymouth	8	4.28	4.85
Berkshire	4	2.14	3.72
Bristol	5	2.67	3.53
Barnstable	2	1.07	1.26
Dukes	1	.53	.13
Nantucket	0	.00	.06
Out of State	19	10.16	13.75

The interesting facts to note in the above table are: (1) the large increase from Hampden County, (2) the increased attendance from all nearby counties, (3) the almost normal enrollment from without the state, in spite of tripled tuition. It is probable that the increase from local territory is due to the effects of High School Day.

The cities or towns contributing four students or over this year, are as follows:

Name	No.	Av. 1912-21
Amherst	8	7.8
Boston	10	12.3
Brimfield	5	.3
Holyoke	13	2.5

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THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN

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OBITUARIES

Dr. James Breckenridge Paige, '82

James Breckenridge Paige, teacher of Veterinary Science at the College since 1889, and veterinarian to the Experiment Station, died suddenly on October fifth after an illness of some eighteen months.

Dr. Paige, a farmer's son, was born in the hill town of Prescott, December 28, 1861, and was graduated from M. A. C. in the class of 1882. After graduation, he went back to the farm and was engaged for a number of years in fruit and vegetable growing. Later he studied veterinary science at McGill University, receiving its degree of D. V. S. in 1888, and practiced his profession in Northampton until he entered upon his duties at the College, for the first year as lecturer and afterwards as professor and head of the department.

In 1895, in company with Mrs. Paige and their young daughter, he spent an interesting and most profitable year in the further study of his profession in Munich, Germany. It was due to his efforts, aided by those of the trustees and the late President Goodell, that an appropriation was secured in 1898 from the Legislature for the erection and equipment of the present Veterinary Laboratory.

He was a very clear and forceful lecturer and teacher, and always stood for high scholarship in his classes. While he had little sympathy with lazy and indifferent students, he was decidedly fair and impartial to all. He made it clear, however, that he detested sham of all kinds, either among students or elsewhere. He served on several committees of the faculty and for a year acted as dean of the College. From time to time, he published scientific papers either in veterinary journals or as bulletins of the Experiment Station.

Dr. Paige was intensely interested in M. A. C.; in fact, his whole life seemed to be bound up in the institution. Like many of us New Englanders, he was of a conservative type of mind and often had occasion to take exception to some of the more recent policies outlined for the institution. With all his conservatism, he was a man of rugged honesty, of strong common sense, and of sound judgment, and his advice was freely sought in connection with a variety of every-day problems.

For a number of years he was secretary of the Associate Alumni and gave unsparingly of his time and effort in its behalf; in fact, he stood stanchly by the association in its hours of need. He was president of his class since 1894, was very active at its twenty-fifth reunion, and greatly disappointed that he could not be present at its fortieth gathering in June of the present year.

Dr. Paige served for two terms in the State Legislature and declined to consider the nomination for senator because of college duties. He was a member of the local lodge of Masons, served as Worshipful Master, as District Deputy Grand Master, and was a member of the Royal Arch Chapter.

He was fond of animals of all kinds. For years he kept a considerable flock of pure-bred poultry, not only for the pleasure of seeing them about, but that he might have oportunity to study at close range some of their diseases. He studied and taught apiculture and until the time of his illness kept a number of hives of bees on his own grounds, taking much pleasure in working among them, observing their habits of life, and the diseases to which they were subject.

He was a connoisseur of old furniture and was continually collecting and renewing it. He had a very practical knowledge of building construction, was skillful with tools and could repair or construct anew, almost any ordinary article of household use. During his period of ill health he proved quite deft with his fingers and modeled in clay articles of pronounced artistic medit.

Dr. Paige had a wide circle of acquaintances, and was a most friendly, interesting and considerate neighbor. His death in the full maturity of his manhood is greatly to be deplored and his loss is felt most keenly by his many friends, who extend to his family most profound sympathy in their bereavement.

Joseph B. Lindsey, '83.

William H. Ranney, w-'93

Mr. William H. Ranney, who died July 10, 1922, was an outstanding character. For fourteen years he was the efficient manager of the H. P. Hood's interests here in Derry, N. H. During the war time, Mr. Ranney was food administrator and fuel distributor, or rather head of these two departments for Derry. In all the drives for Liberty Loans and benevolences Mr. Ranney was always upon committees. No man was more sought than he when results were needed.

The same splendid spirit he showed in all civic life. He did not care for town office or state office. He did serve years upon the local school board, and in the affairs of the town, especially in town meeting, Mr. Ranney always took a forceful part. Time and again he was sought for committee work, and always made good. He loved to work. He was a leader of men. He got results. He gave of himself unsparingly. Mr. Ranney was outspoken. He had his convictions and all knew where he stood. He was always allied with the men who stood for a clean, vigorous, civic life. In all that he did for the public, I never knew him to receive any remuneration. He gave of his time and money. He was a good neighbor, a splendid worker in the church. For many years he was the Superintendent of the Sunday School. He was an active member of many social and civic clubs.

Perley L. Horne, A. M.
Prin. Pinkerton Academy,
Derry, N. H.

Athletics Are Overstressed

Continued from page 1

keep his previous engagement, jeopardizes his place on the team. Nor has he any redress in student opinion. The student body indeed is so completely intimidated by the Sacred Bunk that is spread about on behalf of athletics that an impartial account of a big game in the Collegian is too much ever to hope for. No student ever dares write a criticism of the conduct or coaching of any of the dominating athletic teams (although other activities are criticized to the point of "crabbing"). We haven't had any critical student opinion at Aggie since the days when the *Aggie War Cry* raised its alliterative and challenging clarion, Quid Agis Age Aggie. The college body follows traditions, accepts stereotypes as standards, fails utterly to discriminate, and interprets the clatter of the noisiest graduate as the concerted voice of the alumni, rightly associated with the traditions of the college.

I am giving you a "close-up" as I see it from the edge of the campus. Is it cynical, morbid, ungrateful, to harbor such misgivings? Let me then acknowledge here what I have boasted elsewhere, that we have at M. A. C. one of the most able of athletic directors, athletics under responsible management, a spirit of sportsmanship among the members of our teams. Let me admit that the athletic abuses so prevalent at some colleges are largely kept in check at Aggie. Let me applaud the college employment committee for refusing to make petted darlings of our athletes. Let me pay my respects not only to the creative ability and earnst sportsmanship of the coach, but equally to the sincerity if not the soundness of his contention that the record of his teams is a valuable projection of the college before the public. I disagree with his valuation of the publicity of the sporting page—at the most it is common to all colleges and scarcely lends any distinction to Aggie;—and I deplore the zeal for winning games that sometimes permits "strategy write-ups" to replace real news of our teams; but I cannot doubt his earnestness. I do protest against the bunk that passes for college opinion in regard to athletics and makes the student body a mob in its "support" of major teams. The athlete usually fails to share, and I know sometimes fails to understand, this phenominal, ridiculous mob-spirit.

Those of us who are behind the scenes can't help observing the individuality of the Freshman molded to the conventional stereotype that stamps the vacuity of "college

spirit" over whatever discriminating, not to say critical or original, tendencies he might otherwise develop. We sense the ostracism of those hardy ones who can't dig into their jeans and won't harry a long-suffering parent for money to make the Tufts trip. Shortly we shall witness soliciting for further student contributions, on top of a $15 athletics tax, to buy golden football charms for the scarred warriors of the eleven, presumably as compensation for all that the coach and the exigencies of the season have inflicted on the team—for the sake of the college and you and me.

Isn't it time that somebody accepted the thankless task of the remonstrant? Elsewhere college opinion is being directed, either by the administration or the athletic council or the alumni association, to bear upon sorely needed reforms in athletics. And despite the smug comment of the Collegian that they are merely coming to "what Massachusetts Aggie has always stood for" it isn't difficult to point to advances beyond what Massachusetts Aggie yet pronounces her stand for. And there is this further consideration, in comparing larger colleges and universities with M. A. C. Bad as certain athletic abuses may be in these colleges, it is but a part of the college that is infected by them. They don't have the homogeneity of our little campus. There may be the same frenzy of college spirit rampant, but there is room also for intelligent groups and large ones, who if they are exiled, are at least in congenial and stimulating coventry, not in the morbid isolation that rewards our students who dare have opinions at variance with the standard pattern.

Well what of it? At least let's not pat ourselves on the back over it. Let's hear a little less about the "tolerably excellent degree of our perfection." (I quote the Collegian because I believe it mirrors quite accurately the conventional opinion or lack of opinion of the student body.) Let's develop some critical interest in so vital a phase of our college life as athletics.

Let's think about it and talk about it, and if, as I believe, the preponderance of alumni opinion is altogether out of sympathy with the irresponsibles who bark at the coach when the team loses a game, let's raise a concerted alumni voice in an appeal for a greater diversity of athletic opportunity at Aggie; for the development of creditable teams in all possible sports rather than winning teams in a few. I don't admit that less concentration will mean fewer victories, but what if it does? Do we play football to beat Tufts? or anybody else? Let's urge a further application of the pioneering we hear so much about. Let's have athletic games taught as a part of an educational program to all who will play, even if it be somewhat at the expense of the huge and costly bill of entertainment football provides.

We have a physical director who could make athletics contribute vastly more to college life than he has ever been given to understand the college wants. Let's let him know we don't all agree that large scores should be the primary aim of the college in sport.

L. M. Lyons, '18.

'15. Eleanor Bisbee, reported in the last issue as on the staff of the Miami Herald, is not with that paper but with the Miami Dairy Metropolis.

'10.—Josiah C. Folsom has taken the position of Junior Agricultural Economist in the Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

Why They Came M. A. C.

Continued from page 1

Name	No.	Av. 1912-21
Newton	5	3.5
Shelburne	4	1.2
Springfield	10	4.4
Worcester	5	4.5

Three factors may have considerable bearing on the increase from certain towns: High School Day, the presence of graduates of M. A. C. as teachers in High Schools, and as far as Brimfield is concerned, the Musical Club concert given there last year.

The education of the fathers of these boys tabulates as follows:

Common School	75
High School	46
Business School	16
College	37

About 60 per cent expect to engage in student labor:

Expect to perform student labor	116
Do not expect to	65

Divided according to farm experience the results are:

Brought up on a farm or have had considerable farm experience	81
Without or with little farm experience	102

What do these students expect to do? Why did they come to M. A. C.? This is partially answered by the following table of vocations they expect to follow:

Farming	42
Orcharding	6
Market Gardening	3
Floriculture	5
Dairying and Animal Husbandry	11
Poultry Husbandry	5
Landscape Gardening	9
Forestry	10
Botany	1
Entomology	2
Agricultural Economics	27
Teaching	10
Rural Social Science	4
Engineering	4
Business	4
Law	1
Medicine	1

But there are other factors which decide college entrance. A Chinese student came to M. A. C. because he met President Butterfield in China. Another came because M. A. C., unlike other colleges, equips a person for a vocation. Still another came because he was impressed with the democracy of the student body. Lastly, one bright freshman—he should make the Squib board—said, "I came to study; I may at that."

There is just one more factor to be considered, and that is the influence of relatives and friends. At least one student is here directly because of the influence of a Providence alumnus who told him about the college. Doubtless other students came because of similar acquaintanceship.

Regarding relatives, it will suffice merely to mention a few names:

Wendell B. Cook, son of Lyman A. Cook, '02.
Ruth E. Putnam, daughter of J. H. Putnam, '94, brother of Ernest Putnam, '23, neice of Dr. Fred L. Taylor, '90.
Henry H. Richardson, son of Evan F. Richardson, '87, brother of Marjory Richardson, '22.
James R. Williams, son of James S. Williams, '82.
James E. Burnham, brother of Edwin G. Burnham, '22.
Marion S. Cassidy, sister of Morton H. Cassidy, '20.
Lillian A. Fitzgerald, sister of John J. Fitzgerald, '12.
John F. Lambert, brother of Richard B. Lambert, '21.
Lawrence L. Jones, brother of Harold F. Jones, '13.

SHOULD M. A. C. GIVE HONORARY DEGREES?

Dr. Wheeler, '83, says "Yes"

Many graduates of the College were disappointed upon the occasion of the Fiftieth Anniversary that advantage was not taken of the opportunity thus afforded to honor some of the Alumni, as well as other men who have had praiseworthy careers, as is the custom on such occasions in most colleges. The only interpretation which the general public is likely to place upon such an omission is that none of the graduates have done sufficiently noteworthy work or have won sufficient reputation at home or abroad to entitle them to such recognition.

The question arises, therefore, whether the College would not be adding to its standing and influence by honoring those graduates, or indeed non-graduates, whose subsequent work has richly merited a degree, by recognizing in this way notable accomplishment. The writer can readily recall many men who have obtained certain degrees earned directly in colleges and universities whose fund of knowledge and intellectual ability are far inferior to those of other men whose merit has not been officially recognized by the conferring of academic degrees.

As concerns real accomplishment, much more depends upon the individual inclination to study and the continuous putting forth of increased effort as time progresses, than upon the facts which are absorbed when making a special effort to acquire a degree. While it is possible for abuses to arise where honorary degrees are granted, such cases are hardly conceivable under a system of control that a wise President, Faculty, and Board of Trustees would be likely to inaugurate, since the teaching staff and officials of a college may be safely trusted to guard its reputation most zealously and effectively.

Dr. H. J. Wheeler, '83.
Boston, Mass.

(Communications of interest to Alumni will be printed in the Bulletin.)

Charles H. McNamara, brother of Michael J. McNamara, '17.
Paul Miller, brother of William H. Miller, w-'21.
Herbert E. Moberg, brother of Eldon S. Moberg, '15.
Roy E. Norcross, brother of Harry C, '23, and Gardner C. Norcross, '18.
George N. Perry, brother of Margaret Perry, '22.
Herbert Grayson, brother of Forrest, '18, Emory E., '17, and Raymond H. Grayson, '23.

'13.—Miller Jordan is representative in Mexico of Myers Darling and Hinton Co. of Los Angeles. He writes that he is managing the growing, packing, shipping and general organization of exportation of product of about 2500 acres in five or six plantations on the West Coast of Mexico. Crops are grown during the winter months and shipped to the United States.

'16.—Harold N. Caldwell, Superintendent of the Seabrook Orchards, Bridgeton, N. J. writes that there are plenty of good jobs for intelligent men, who are willing to work hard and are eager to get ahead. The work consists mostly of trucking and orcharding.

w-'18.—Chester S. Burtch of Denver, Col., is General Pass Agent for the Inter-City automobile lines running twenty passenger busses to Colorado Springs, Pueblo and other cities.

GEORGE LEONARD, '71

Retires After Years of Faithful Service

Was Member of Famous Crew

'71— George Leonard, after thirty-eight and a half years' service as clerk of the Police Court of Springfield, and its successor, the District Court of Springfield, was retired on September 20th, by the Commissioners of Hampden County, under an act of the Legislature, which authorized his retirement upon two-thirds salary.

Mr. Leonard was born in Springfield seventy-two years ago, but spent the early years of his life in New Bedford, where his ancestors had lived since the days of the settlement of Plymouth Colony. After graduating from the schools of that city he entered Aggie with the first class and was prominent in college activities as an undergraduate. He was a member of the famous crew which defeated Harvard, Amherst and Brown in races on the Connecticut River. As Allen '71, once said, "Leonard steered the boat."

After graduation from college he pursued a course in the newly established law school of Boston University, receiving his degree in 1874. He studied law in the office of Marston & Crapo in New Bedford and later married Mr. Marston's daughter. He came to Springfield after admission to the bar and established a good practice, which he abandoned in 1884 to become clerk of the police court. He served under four different judges, all of whom except Judge Heady are now deceased. He never failed of immediate re-appointment by the successive governors, even under the Democratic administration of David I. Walsh.

Mr. Leonard has become a familiar figure to several generations of M. A. C. men at alumni gatherings which he has attended with commendable loyalty. Upon his retirement, Wallace R. Heady, present justice of the court, commented at length upon the fine quality of his services as a public official. Mr. Leonard is held in high esteem by the bar of Springfield and leaves his post of duty with the best of wishes of a multitude of friends for a long life of rest and happiness.

Clinton King, '07.

ATTENTION!!

About thirty upper classmen have elected the advanced military courses this year.

483 — 265 — 748

The college enrollment is as follows:

Four Year Course

	Men	Women	Total
1923	84	7	91
1924	89	6	95
1925	91	6	97
1926	167	20	187
Specials	9	4	13
Total	440	43	483

Two Year Course

	Men	Women	Total
Seniors, two-year	115	5	120
Juniors, two-year	128	8	136
Vocational	8	1	9
Total	251	14	265

Total number of students 748

'20.—Chester A. Pike of Springfield defeated his opponent for nomination on the Republican ticket to the State Legislature from the 7th Hampden District by about two and a half to one votes. Mr. Pike's assurance of election is good, as his district is strongly Republican.

CLASS NOTES

w'92.—Charles Tyng conducts a warehouse and storage business at Salt Lake City, Utah.

w'92.—George M. Tyng is a dentist in Victoria, Texas.

w'97.—Herbert C. Hunter of Rosslyn, Virginia is a clerk in the Weather Bureau, United States Department of Agriculture.

'02.—S. Leroy Smith is Extension Secretary for the Pocket Testament League, Inc., New York City.

'04.—J. W. Gregg, Head of the Division of Landscape Gardening in the College of Agriculture, University of California, has been elected a Fellow of the Royal Horticultural Society of England.

'08.—Frank Edwards is Superintendent of Watkins School at Hartford, Connecticut.

w'09.—Walter M. Whelpley is Superintendent of an Oil Refinery at Savannah, Georgia.

'12.—H. A. Noyes, at the Pittsburg meeting of the American Chemical Society, was elected chairman of the Section on Agricultural and Food Chemistry.

'15.—E. S. Draper, Landscape Architect and City Planner of Charlotte, N. C., spent three and a half months during the summer of 1922 in Europe on travel and professional study. Mr. Draper visited France, Italy, Switzerland, Germany, Holland, Belgium, England and Scotland on this trip. In Mr. Draper's organization in Charlotte at the present time there are the following M. A. C. men: H. B. Bursley, '13, C. G. Mackintosh, '21, D. S. Dinsmore, w'16, and C. A. Farwell, w'22.

'16.—Linus H. Jones received a degree of Ph.D. from Rutgers College in June. He is now a teacher under E. E. Stanford, '15, in the School of Pharmacy of the Western Reserve University, Cleveland, Ohio.

'16.—H. A. Mostrom has recently been appointed Educational Manager at the Essex County Agricultural School.

'20.—G. R. Derick, who is with the J. Van Lindley Nursery Co., Pomona, North Carolina, writes that they have a good opening there for a landscape architect with one year's experience.

'21.—R. W .Smith, Jr., of the Dairy Department at M. A. C. was elected secretary of the Eastern Division of the American Dairy Science Association which was organized September 20 at a meeting held in connection with the Eastern States Exposition at Springfield.

'22.—Edmund T. Carey has been located, since Commencement, in the City Engineer's Office, Springfield.

The following 1922 men are teaching:

G. L. Baker, agriculture, West Springfield High School.
R. H. Beckwith, agriculture, Richford (Vt.) High School.
R. S. Blanchard, science, Northfield High School.
P. L. Burnett, agriculture, State School of Agriculture, Randolph Center, Vermont.
E. G. Burnham, agriculture, Walpole (N. H.) High School.
A. G. Crawford, academic subjects, Essex County Agricultural School, Hathorne.
B. F. Jackson, English, Belchertown High School.
A. Krasker, science, Essex County Agricultural School, Hathorne.
E. W. Martin, science and mathematics, Central Village (Conn.) High School.
E. A. Pickup, agriculture, Hillside School, Greenwich Village.
Miss Marjorie Richardson, science, Belchertown High School.
A. W. Smith, science, Smith Academy, Hatfield.
A. L. Swift, agriculture, Procter Academy, Andover, N. H.
H. J. Talmage, agriculture, Arms Academy, Shelburne Falls.

BIRTHS

'13.—A son, Frederic Page, to Mr. and Mrs. Harold Frederic Jones, on July 17, 1922.

'13.—A daughter, Esther Vironne, to Professor and Mrs. Clark L. Thayer, on June 20, 1922.

'15.—A son, Roderick Almon, to Mr. and Mrs. Sumner A. Dole, on September 22, 1922.

'15.—A son, Thomas, to Professor and Mrs. W. L. Doran, in September, 1922.

'18.—A daughter, Dorothy Russell, to Mr. and Mrs. F. M. Gifford, September 14, 1922.

'20.—A son, Fred William, Jr., to Mr. and Mrs. Fred W. Clarridge, August 7, 1922.

MARRIAGES

'16.—H. H. Walkden was married on August 8, 1922.

'18.—Forrest Grayson to Arnott Lavelle Lewis, on July 5, 1922.

'19.—Arthur L. Chandler to Marion E. Earley, '20, on September 30, 1922.

'20.—Robert S. Horne to Carolyn F. Rogers, at Governor's Island, N. Y., October 6, 1922.

CAMPUS NOTES

Judging Teams Make Fine Record

The M. A. C. Dairy Products and Dairy Cattle judging teams placed first at the Eastern States Contests, the former leading a field of four, the latter a field of ten. Cornell placed second in both contests. At the National Dairy Show at St. Paul, the Dairy Products team placed second among nine, and the Dairy Cattle judging team fifth among twenty colleges competing.

College Herds Take Prizes

Twenty-two prizes for cattle and eighteen for sheep were taken by M. A. C. at the Eastern States Exhibit. Twenty-five head of cattle and twenty sheep were exhibited. An additional herd of fifteen head of cattle was on exhibit in co-operation with the State Department of Agriculture as a model dairy herd.

Beth of Amherst, grand champion female in 1921, was not as fortunate this year, placing second in the Aged Holstein class and first in the advanced registry class of cows over five years old with a butter fat record of six hundred pounds or over.

Other outstanding prizes taken by the college herd were: Guernseys—first, two-year-old bull; third, calf class in a field of over thirty; first and second, advanced registry, six hundred pounds or more butter fat, age over five years; second, dairy herd. Holsteins—second, two-three-year dry class; fifth, heifer calves in a field of over forty; second, produce (Beth of Amherst). Ayrshires—second, advanced registry six hundred pounds or more butter fat, over five years old.

The college Ayrshires were the only ones exhibited without horns. Although prize winners last year, they were not favored by this year's judge.

Splash!!

The freshman class accomplished an unusual feat this year and dragged the sophomore class through the pond.

Football!!

M. A. C.	13	Conn A. C.	6
M. A. C.	23	Worcester P. I.	0

w'18.—H. H. Baxter writes from Biltmore, N. C.: "After spending the last three years studying the manufacture of lumber and traveling all over the South supervising the construction of over 500 houses, I feel rather settled studying retail yard conditions in 'the land of the sky'."

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, November 25, 1922 No. 4

JAMES BRECKENRIDGE PAIGE, '82

Resolutions on His Death

ADOPTED BY ASSOCIATE ALUMNI

In the death of James Breckenridge Paige in the full maturity of his fine manhood, the community in which he lived and the college which he loved and served recognize a great loss. That his was a rare gift for faithful friendship is testified by the general expression of deep regret that his earthly life is ended. Though deeply engrossed in the work of his profession, he yet always found time for helpful acts of human kindness whenever he felt that something he could do would help.

During his long connection with the Massachusetts Agricultural College he gave it unstinted service. The college was always first in his thoughts. He most heartily believed in its possibilities and labored earnestly to help realize them. To his efforts, it will be remembered, the erection of its first modern brick building was due, for it was his influence in the legislature of which he was at the time a member which played a prominent part in securing the appropriation. Dr. Paige was a man of strong convictions, conservatively inclined; and he always had the courage of his convictions. His judgment was sound and his counsel was sought by many both in the community and in the college.

Dr. Paige was an eminently successful teacher. His lectures were models in their clear and condensed discussion of his subjects. He held the close attention of his students, who paid him a tribute of unusual respect and admiration. They remember him as always fair and just to all, impatient of sham or indifference, highly appreciative of honest effort and achievement.

In the position of Acting Dean for one year, Dr. Paige was characterized by the same keen judgment of student character and sympathy with sincere endeavor which was so prominent in his work as a teacher, and of course his administration was successful.

In the extension work in agriculture, when carried on chiefly through the State Board of Agriculture, Dr. Paige took a prominent part, being much in demand as an Institute Lecturer, in which service his capacity for clear statement and apt illustration enabled him to teach most valuable lessons to general audiences.

During the entire period of his connection with the college, Dr. Paige was in charge of experimental work in animal sanitation and pathology. Investigation of poultry diseases engaged a large share of his attention. His work was methodical and careful: results were painstakingly verified before publication and when announced might always be relied upon. He took a prominent part in framing and securing laws for the control or elimination of contagious diseases of bees and of poultry.

Continued on page 2.

OUR ATTITUDE

The *Alumni Bulletin* has been criticized for publishing without comment a signed article setting forth what the writer considered unwholesome aspects of the campus interest in the major sports. This action has been termed a "flagrant violation of good taste and journalistic ethics" and "a piece of unethical impudence." Why a signed article in a paper which has previously printed signed articles and whose columns are always open for expressions of opinion from alumni, should be taken as an expression of editorial policy, is puzzling. Such practice is not peculiar to the *Alumni Bulletin*—other alumni publications have done the same. Editorials do not bear signatures and editorials alone can be held to express the policy of the publication. This article was neither the expression of the policy of the Executive Committee nor of the Editorial Committee — they have taken no sides on this question.

Criticism has also been made of the failure of the *Alumni Bulletin* to carry accounts of the football games. It is the policy of the Editorial Committee to avoid duplicating the efforts of the *Massachusetts Collegian*. As one alumnus writes, "Any alumnus that is interested at all in the team will get the scores from the newspapers and will not wait for news two weeks old or more appearing in the *Bulletin*." The policy of the Editorial Committee is to print news in advance of the season,—give the schedule, the prospects, etc.,—to give the scores, paragraphs on the most important games, and to print from time to time athletic news or opinions which may not reach the alumni through other mediums. Failure to print accounts of the games does not indicate a lack of interest in football; it indicates rather a desire to conserve the resources of the *Alumni Bulletin*.

The article in question was not unworthy of publication. That comments both for and against have been received, is indicative of an interest in the subject. It may be well worth while to discuss it thoroughly. The columns of the *Alumni Bulletin* are open. May alumni make use of them!

'08—Dr. H. M. Jennison, who recently received the degree of Ph. D., from Washington University, has accepted the position as Associate Professor of Botany at the University of Tennessee, after having completed eleven years' service at the Montana State College, Bozeman, Mont.

ALUMNI EXPRESS THEIR SENTIMENT

Being an Abstract of Letters Received

ATHLETIC MATTERS DISCUSSED

Considerable discussion has been aroused by the publication, in the October issue of *Alumni Bulletin*, of an article headed "Athletics are Overstressed at M. A. C." (And let it be said here that the editor and not the author of the article was responsible for the headlines, which, perhaps, led to some misinterpretation of the article.) It is to be deplored that the discussion has unfortunately in some cases developed into a question of approval or disapproval of the policies of the Athletic Department. The alumni are few and far between—if indeed there are any—who do not stand back of the fine work accomplished by and the ideals and plans of Professor Curry S. Hicks. It was most unfortunate that the issue should assume that aspect.

But be that as it may, there is plenty of opportunity for discussion of the article without arraigning any faculty member and without indulging in personalities. Surely alumni have at least had something to say.

Before we can proceed to a clear discussion of the problem it is necessary that extracts of the letter sent out to some 200 or more alumni by the Head Coach be published as this has raised other issues and has stimulated many replies to the article in the last issue of the *Alumni Bulletin*.

"The *Alumni Bulletin*, representing the Associate Alumni of M. A. C., in its recent issue of October 25th, published, without comment, a three column communication arraigning football and the athletic administration at Aggie. The *Bulletin*, in the same issue, acknowledged the present football season by three lines in the last column of its back page.

. . .

"Listen! Four years ago we had 77 men out for varsity football, this fall we have 35, and 6 of these are ineligible. We have an absolutely critical situation as regards substitutes. Speaking of 'Everybody in athletics,' (which has been Curry Hicks' slogan at Aggie for ten years), there are over a hundred football suits available at present for any of the undergraduates who will climb into them!

"Your alumni football coaching staff would really like to know if the last issue of the *Alumni Bulletin* by reason of the importance placed on the article criticizing football and the space allotted to this year's team, correctly reflects the importance attached to football by the majority of the members of the Associate Alumni. . . . We'd like to know how we stand!

"What's your reaction?

(*Signed*) Kid Gore, 1913,
Head Coach Football."

Continued on page 3

THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN

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OBITUARIES

Dr. Frank Hunter Zabriskie, '80

Dr. Frank Hunter Zabriskie, for many years a leading physician of Greenfield, widely known as a skilled practitioner, beloved by his patients and held in high esteem by his many friends and acquaintances, died October 25, 1922, at Greenfield, Mass.

Dr. Zabriskie was an able and successful practitioner. He was a wide reader and an intense student of affairs and of human nature. He had a large and lucrative practice, but of late years failing health obliged him to limit his work and take frequent vacations. He was candid and democratic in his relations with his patients, his friends and the world at large. He was the family physician of a large number of Greenfield families, ministering to at least three generations, and was held in the highest esteem both in his professional capacity and in the daily walks of life.

Dr. Zabriskie was for years a member of the board of directors of the Greenfield Library Association, and since the death of William B. Washburn had been president of the board. He was a trustee of the Free Public Library and a member of the purchasing committee.

He was a member and former officer of the Franklin District Medical Society.

He was a great lover of books and his library contains many rare volumes. He read not only the best publications of the United States, but many of the leading English journals and other publications. He was a keen analyst of humans and human affairs and some of his trite sayings are cherished gems in the memory of his acquaintances. Dr. Zabriskie was a remarkable man from many angles.

Dr. Zabriskie leaves his wife. He is survived by no near relatives.

From *The Gazette and Courier*,
Greenfield, Mass.

The following deaths have been reported:

Charles Moffatt Howland w'71, June 10, 1921.

Alfred A. Warriner, '73, January 13, 1921, at Warren, Mass.

Ansel W. Paine, w'87.

Edward Welcome Allen, w'94.

John Alden Davis, '99, July 7, 1921, at Chester, Pa.

Lyman A. Ransehousen, w'05, May 20, 1922, at Northampton, Mass.

'92—At an outing and judging contest, of the Franklin and Hampshire County Holstein Club at the farm of E. Thornton Clarke, Granby, he was complimented on having the best herd of grade Holsteins the Club had seen.

'18—Robert Holmes is managing 300 acres of farm and 70,000 feet of glass for the Mount Bruno Floral Company, Quebec, growers of cut flowers. He writes that it takes all of his time trying to keep warm.

James B. Paige '82

Continued from page 1

For many years Dr. Paige served as Secretary of the Associate Alumni of the Massachusetts College, and the amount of time and energy he devoted to the work of that office is realized only by those associated with him in the work of the Executive Board of the Alumni in the earlier years of the Association. In a very real sense he was its builder; and as the organized Alumni of this, as of all educational institutions, constitute a most vital influence in its life, so all familiar with Dr. Paige's work as alumni secretary will heartily unite in this tribute to his memory.

His classmates will especially miss Dr. Paige. He was their president, but to all he was "Jim." He was the soul and life of their reunions, which can never again be the same now that he is gone.

Dr. Paige will be missed and sincerely mourned wherever he moved; by his neighbors whose warm esteem he enjoyed; in the community of which he was a valued and honored citizen; in the councils of the state in which, while he was in the legislature, he took an active part; in the college and experiment station where he labored so long and so fruitfully; by the alumni who so highly valued his opinions and advice; in the fraternities where his brotherhood was so unfailingly manifested and where he was so highly honored; and indeed in the hearts of all whose lives he closely touched.

Committee on Resolutions,

C. Edward Beach, Chairman, '82.
William P. Brooks, '75.
George E. Stone, '86.
Edward B. Holland, '92.

Alumni Express Their Opinion

Continued from page 1

Do We Play Football to Win?

What have the alumni in general had to say? "Do we play football to beat Tufts?" Here are some opinions: "To make it personal, do I want the college to have a winning football team? Of course, I do. In fact, I waited nineteen years for the victory of a week ago over Amherst. But, at the same time, I must admit that victory may not be worth the price which we have to pay."

"Many people look upon their team with respect to their winning power. This is so at Yale more than any place I know of. If there isn't a winning team the coach is generally . . . asked to resign. It should not be that way."

"Now my idea of a game is to win. Squarely, fairly in accordance with the rules but to win. I know that after you get out the world expects you to win. No matter how well you played, no matter how hard you tried, if you don't win, it doesn't count. And if we're going to have intercollegiate sports . . . let's play to win."

"I fear that a coach in athletic sports has an impossible job. One crowd is crying for him to win games, the other to put his work on the plane of pure physical education for the students. I don't know that it will ever be possible to bring together these two opposing parties."

The Publicity Value of Sports

What is the value of football from the advertising standpoint? A few opinions were expressed as follows: "As for advertising—football or any of the major sports is right there. Dartmouth got her reputation by her good teams but now it does not need it and it is using a system to select her men."

"We were reminded by (X) and (Y) of the class of 1873 that following the defeat of the Harvard Crew by Aggie during their college days that Aggie was swamped the following Autumn with more applications than she knew how to care for. Apparently, sports played as important a part in the college life of their day as at the present time."

How Should Athletic News be Written?

Is there anything wrong with the athletic news in the *Collegian?* Alumni opinion has expressed itself as follows: "Let them give the stuff 'as is', so far as it doesn't interfere with whatever plans the coaching staff may have in developing their system."

"First and foremost we should teach our boys to get the true facts, and in as far as they write for the public, to present them without fear or favor."

"I am interested in knowing why the *Collegian* does not give impartial write-ups of the games. Anyone who reads the *Collegian* knows that what Lyons says in this regard cannot be questioned. In fact not long ago, but before Lyons' article was printed, an alumnus of M. A. C. made the remark to me 'I would like to see the *Collegian* give an impartial discussion of our games.' It is certainly more credit to our teams and to the college to win over a team that plays a good game than it is to beat a weak one. The write-ups of the games in the *Collegian* seldom give much credit to our opponents for good playing. Let's be constructive in our criticism, but at the same time put credit where credit is due. Any other policy not only lacks stimulus to the teams, but is demoralizing in its effect upon the entire student body."

Is Aggie Thinking Stereotyped?

Is the thinking of Aggie students stereotyped? Three opinions have been expressed on this subject: "Aggie men have never considered Aggie big enough to hold two opinions on any question of importance in college life. There must be THE attitude and all must adopt it or be persecuted—no less. If there be a mass meeting, every man jack must be there or incur the Razoo. If the athletic tax be boosted another notch, pay it and 'damned be he who says us nay!'"

"It is true that you could not get the same bunch of cheering men to attend a debate. Perhaps this is because they have enough of the so-called 'intellectual stuff' all day and take an easier form of diversion or one in which the spirit of action is more intense."

"The hectic campaign to get everybody out for the Tufts game, etc., has certainly made our boys see things in a distorted perspective. The slogan, 'Beg, borrow, or steal' is unsound and not worthy of the cause. . . . It has caused some boys to neglect payment of their moral obligation to the Memorial Building; other boys, through fear of social ostracism to spend money which was not theirs to spend; and in many ways brings about an unsound mental state."

The Proper Balance of Activities

Should enthusiasm for football interfere with other activities? What is the word on this question? "Football is the means to the end of physical and mental discipline.

When this end is achieved through decreasing the mental discipline and in some cases even the physical discipline, as given either in other departments or other branches of Physical Education there is no real gain to the boys of the institution."

"A well balanced program of physical education would, I believe, raise the scholarship standing of the entire student body, and this ultimately would result in the best advertisement that the college could have. Without belittling the influence of athletic victories in the least, it is my opinion that it is quite as much to the credit of M. A. C. to turn out winning teams in debating, in judging contests, and in such other scholarly performances as it is in having winning teams in athletics. With a curriculum organized for study and play, and with each of the student activities—academic and athletic,—taking its proper place in the program, we shall turn out graduates who are qualified to play on the winning team in the real contests of life; and it should not be forgotten that this is why M. A. C. is maintained as a public institution."

"The Glee Club and Debating teams are fine and have their place. . . . We all enjoy debates and concerts, but football is a man's sport and calls for noise."

"When I was in college there was nothing to prevent the athlete from engaging in non-athletic activities if he had the disposition to do so. My participation in athletic and non-athletic activities should permit a reasonably unbiased opinion in this respect."

"If there is an absence of interest in and support of minor athletics and non-athletic activities there ought to be a way of correcting this condition and instilling new life into these departments without begrudging, destroying or in any way disabling the successful work accomplished in major sports."

"We want to see all college activities stand in an enthusiastic plane and be successful, one as much as another, but it is impossible to force one activity ahead of another against the free opinions of the individual students, and popularity of a sport created by them."

"The football season is comparatively short and if 'your college man' wants to play football he had better stick to football during the season and let Roister Doisters, Autumnal hills, Glee Clubs, Collegian, judging teams, professional clubs, etc. wait for more opportune moments."

"Football is at every college the be-all and end-all of college sports. If college games draw over a million spectators each Saturday surely that strengthens the opinion that football is the game. I imagine that 95 per cent of the student body would rather see one football game than forty-four cross-country races or soccer matches."

"Everyone in Athletics"

Now, how do Alumni feel about the slogan, "Everyone in Athletics." This is what they say: "We want everyone in athletics. All right, Curry Hicks has championed that for years and today Kid Gores tells me he's got 100 football suits for men who want to play. Instead of sympathising with the present undergraduate body because they can't play soccer, I rather criticize them because they aren't playing football."

"Your letter states that there are but 35 men in the football squad. Bearing in mind the fact that the service of your department is to all students, it seems to me that this number is too small to warrant the time and money which you put into the game. Too few students get the benefit of your teaching."

"I think that Curry Hicks is doing all that he can with what he has to do with to get all the men into something to develop their physical being. That has been his objective. Perhaps he has taken up cross country just because of this fact."

"Every man who enters Aggie should make the most of his ability to 'Boost Aggie' in athletics. And those who are not athletically inclined should do their best to coach the players along in their studies and give them support in every way possible."

"We do not understand the assumption that athletics are overstressed, believing that participation in athletics, and even spirited spectatorship, is the best means for developing college-spirit, health, fight,—in developing these traits and others, for after-college life. We do know that the faculty at M. A. C. will not permit a man to overdo his participation in athletics to the detriment of his studies. . . . We believe that every man should participate in some form of athletics for his own good. If he is non-athletic, select a milder form of activity; at any rate, boost his selections and boost the others just as well."

"I have never been too strong on athletics, but still feel that the major sports are of great value. I think I agree with both yourself and Mr. Hicks that the ideal would be that every student have some interest in some form of athletic training, but even then the major sports must not be given up. They are the best means of advertising the college, and the only way to bring together the friends of the college, and are of great value to every student taking part."

"Your statement that 'four years ago we had 77 men out for varsity football, this fall we have 35, and 6 of these are ineligible' interests me. Why this condition? On its face it would seem that there is more interest among students in the other college activities. Are these activities, such as track, hockey, soccer, tennis, properly encouraged and financially supported?"

"I believe in the so-called 'major sports,' and I am glad to see our boys win when they play a better game than their opponents, but it is manifestly unfair to use all the athletic funds for the support of football, baseball, and basketball,—games which benefit only a few students,—to the exclusion of other sports and other activities in which a large portion of the students might engage, and thereby improve their physical and mental development."

These are the opinions of alumni on the various aspects of the question. No expression of editorial policy had been made. It is to be hoped that the question will be thoroughly and sanely discussed and that whatever the result, it will be for the best interests of "Old Massachusetts."

CLASS NOTES

w'72—Mr. and Mrs. Johathan F. Bancroft celebrated their Golden Wedding in September, 1922.

'94—*The Official Record* of the United States Department of Agriculture, November 8, 1922, in speaking of the work of Dr. C. P. Lounsbury, says, "Doctor Lounsbury was sent to Cape Town and began a career as an economic entomologist, which has resulted in his being at the present time probably the foremost economic entomologist in Great Britain and her possessions. He rose rapidly in the esteem of both the English and the Boers, and with the formation of the Union of South Africa was placed in charge of all of the work against crop pests. He has made a number of important discoveries, has published many important papers, and is now known all over the world. He has traveled extensively—to Australia, New Zealand, South America, various parts of Europe—and is at present in this country studying the latest discoveries of the American entomologists. On November 2 he spoke before the Entomological Society of Washington on biological investigations in South Africa."

CLUBS AND CLASSES

World Aggie Night

The fourth annual World Aggie Night has come and gone. Reports from twenty-seven meetings have been received and seven more are expected. New York and Washington postponed their meetings to more favorable dates. The total attendance on October 28th was about 400.

A great deal of interest was manifested at the meetings over the question of what building should come next. At Amherst the vote favored a gymnasium and at Los Angeles and Columbus, a library, but at other meetings the sentiment was strongly in favor of dormitories.

Steps were taken to form organizations at Worcester, Amherst, and Pittsburgh. Several meetings reported good suggestions that have come before the Executive Committee for consideration.

New York

A very successful meeting was held in New York following the Stevens P. I.—M. A. C. game. Fully 200 loyal rooters were at the game and nearly 100 remained to entertain the team at the New York Club banquet and to take part in the meeting following the banquet.

Washington

The Washington Club held a meeting on November 22nd during the convention of Land Grant Colleges. A large number of alumni from all over the country attended the meeting.

The M. A. C. Club of Washington, D. C., holds monthly luncheons at 12.15 P. M., usually on the first Thursday of the month at the New Ebbitt. The attendance is ordinarily about 20. All friends of M. A. C. are welcome—it is a good opportunity to count on when visiting Washington. H. J. Clay, '14, of the Bureau of Markets, United States Department of Agriculture, is secretary of the club.

Chicago

The Chicago Club will hold a meeting at the time of the National Live Stock Show. Write to E. N. Boland, '12, c/o Quaker Oats Co., Chicago, Ill.

To the Editor of the Alumni Bulletin:

The following action, voted upon and placed on record, was taken by the M. A. C. Club of Boston at its Smoker October 28, 1922:

(1) The M. A. C. Club of Boston is wholly in accord with the directing and coaching of athletics at M. A. C. as shown in the past and at the present time; stands wholeheartedly behind Director Hicks and Coach Gore of the Athletic Department and have faith that they will do in the future the excellent work they have done in the past.

(2) The Boston Club is not in accord with the remarks made by L. M. Lyons, '18, as appeared in the October 25th issue of the Alumni Bulletin in reference to the overstressing of athletics at M. A. C.

(3) The Boston Club approves of intense participation in athletics, both as a spirited spectator and as a contestant, thus creating spirit, pride, health, enthusiasm, courage and fight—factors that are major requisites to successful after-college life.

The Alumni Club of Boston respectfully requests that the above action be printed in full in the next issue of the Alumni Bulletin.

Respectfully,
(Signed) LOUIS W. ROSS,
Secretary.

Appointments to the Staff

Dr. Frank A. Hays, a graduate of the Oklahoma State College, has been secured as Research Professor of Poultry Husbandry to fill the vacancy left by the late Dr. Hubert D. Goodale. Dr. Hays received his M. A. degree from the University of Nebraska in 1912. He comes to M. A. C. from the University of Wyoming, where he has been Professor of Animal Husbandry.

EXECUTIVE COMMITTEE ACTION

The regular monthly meeting of the Executive Committee of the Associate Alumni of M. A. C. was held November 11th. The following business was transacted:

1. The budget report presented showed receipts of $1,721.45, expenditures of $640.29, cash on hand $1,081.16, necessary further receipts to meet the minimum budget $663.55.
2. Suggestions made at World Aggie Night meetings were considered and referred to the Secretary for consideration and investigation.
3. It was VOTED to join the *Alumni Magazines Associated.*
4. It was VOTED to invite, by letter, all graduate students to membership in the Associate Alumni of M. A. C.
5. The placing of the Walter Mason Dickinson Memorial Tablet in Memorial Hall was approved.
6. The collection of Memorial Building pledges was considered and carried as unfinished business.

CAMPUS NOTES

Football Scores

M. A. C.	10	Amherst	6
M. A. C.	12	New Hampshire	10
M. A. C.	0	Bates	6
M. A. C.	12	Stevens P. I.	0
M. A. C.	6	Tufts	9
M. A. C.	0	Michigan	45

The Amherst Game

Before 5,000 spectators, witnessing the first Aggie-Amherst football game on Alumni Field and the second since the breaking of relations in 1907, Aggie triumphed in a close, hard-fought contest, defeating Amherst in football for the first time since 1901 and the fifth time in the history of the College. The result of the game was undecided until the final whistle blew—a typical Aggie-Amherst game with both teams at their best.

A Statistical Study

	M. A. C.	Amherst
Gained by rushing, yards	224	108
Lost by rushing, yards	24	27
First downs by rushing	10	4
Total first downs	14	6
Average gain per rush, yards	3.33	2.15
Forward passes tried	7	11
Forward passes completed	1	2
Forward passes intercepted	3	1
Gained from forward passes, yards	4	30

Cross Country

M. A. C.	26	Worcester P. I.	30
M. A. C.	26	Wesleyan	29
M. A. C.	25	Amherst	32

New Englands-M. A. C. placed 10th
(Lowest score denotes victor)

Fruit Packing and Judging

The Fruit Packing and Judging teams placed first in the New England Fruit Judging Contest at Nashua, N. H., November 8th. An M. A. C. man placed highest in each event.

Rifle Team

The rifle team members are to receive minor sports letter hereafter, an R M T being granted to those qualifying.

Sophomore-Freshman

The annual six-man rope pull was easily won by the Sophomores. The annual football game resulted in a scoreless tie.

Musical Clubs

November 24th—Conway.
December 6th—Hatfield.
December 27th or 28th—Boston.
If interested inquire for particulars!

BIRTHS

'10—A daughter, Sarah Stetson, to Mr. and Mrs. Lawrence S. Dickinson on November 6, 1922.

'10—A son, Richard Stockton, to Mr. and Mrs. William C. Johnson on November 7, 1922.

'14—A son, Tell William, Jr., to Mr. and Mrs. Tell W. Nicolet on October 16, 1922.

'15—A son, Montgomery, to Mr. and Mrs. Seth W. Banister on May 27, 1922.

'17—A daughter, Doris Mae, to Mr. and Mrs. W. D. Whitcomb on October 13, 1922.

w'17—A daughter, to Mr. and Mrs. David J. Bowen on October 31, 1922.

w'17—A daughter, Eleanor DeMeritt, to Mr. and Mrs. Franklin DeMeritt on October 1, 1922.

'18—A son, Norman Edward, to Mr. and Mrs. George C. Howe on October 16, 1922.

'18—A son, Robert Wyman, to Mr. and Mrs. Stephen M. Richardson on October 11, 1922.

'18—A son, Henry Fiske, to Mr. and Mrs. Ernest Ritter on October 9, 1922.

'19—A son, to Mr. and Mrs. Samuel B. Ferriss on October 29, 1922.

'19—A son, Wendell Frederick, 2nd, to Mr. and Mrs. Wendell F. Smith on October 28, 1922.

'20—A son, George Wheaton, to Mr. and Mrs. Daniel W. Belcher on October 18, 1922.

MARRIAGES

'15—E. Stanley Wright to Alice Morris, on October 11, 1922.

w'17—Walter T. Clark to Charlotte A. Whiting, on September 2, 1922.

'18—Foster K. Baker to Hilda E. Johnson, on October 25, 1922.

'18—Nathan W. Gillette to Esther Waugh, daughter of Prof. Frank A. Waugh, on October 28, 1922.

'18—Robert D. Hawley to Jean M. Sawin, on September 30, 1922.

CLASS NOTES

'19—At the September directors' meeting of the Mutual Orange Distributors, Mr. A. L. Chandler, formerly with the American Agricultural Chemical Company, was selected to take charge of the fertilizer work of the association.

'19—Harold Poole's Dummer Academy eleven beat Pinkerton Academy in their annual contest for the first time in several years.

'19—Edward A. White writes: "Open house for any M. A. C. man stopping in Providence."

'20—Alfred A. Clough dropped into the Alumni Office and reported that he has just started with the Portland Cement Association as field engineer on farm promotional work in Massachusetts, Maine and New Hampshire.

'21—Starr King's Newburyport High team beat their Salem rivals recently for the first time since 1915 and the third time in history.

JANUARY 19-20, 1923

Mid Winter Alumni Day.

Fraternity initiation banquets—Musical Club Concert—M. A. C. vs. Amherst hockey game—business meeting of the Associate Alumni of M. A. C.

On the Campus

JANUARY 19-20, 1923

PUBLICATIONS

'83—Dr. H. J. Wheeler, of the Agricultural Service Bureau of the American Agricultural Chemical Company, is author of a paper on "Modern Trend of Chemical Control in the Fertilizer Industry," read before the fall meeting of the American Chemical Society, held at Pittsburgh, Pa., in September. Dr. Wheeler is also author of two bulletins, "Fertilizing Cotton under Boll Weevil Conditions" and "On the Use of Large and Small Amounts of Fertilizer for Cotton in Georgia" and a booklet, "How to Get the Most Out of Fertilizers."

'03 and '09—W. V. Tower, '03, Entomologist of the Porto Rico Agricultural Experiment Station, is the author of a paper on "Mottling Disease of Sugar Cane," and likewise of reports on "Ticks," "Bee Industry" and "Mosquitoes," in the 1921 Annual Report of the Porto Rico Station. In the same report Professor L. G. Willis, '09, Chemist, makes brief mention of the fertility experiments with rice, of the investigational work on the management of cane soils, and other miscellaneous work of his department.

'07—Herbert P. Wood, entomologist, is author of the United States Department of Agriculture Department Circular No. 213 on "Eradication of Lice on Pigeons," issued in April.

'12—Carlos L. Beals, formerly of the Department of Plant and Animal Chemistry of the Experiment Station, but now of the Sheffield By-Products Company, Hobart, New York, is author of a series of articles on "Milk Chemistry" now running in the "Bulletin" of the Sheffield Farms Company, Incorporated.

'13—O. G. Anderson, Professor of Horticulture at Purdue University is author of a book, "Insecticides and Fungicides," a Laboratory Manual with Supplementary Text Material, published by John Wiley and Sons.

'14—Mrs. B. W. Ellis of Storrs, Conn., has written a Connecticut Extension bulletin on "Attractive Farm Home Grounds."

'14—Charles C. Hill is author of "Control of the Green Clover Worm in Alfalfa Fields." (Pub. 1918). He has also written "A Preliminary Account of two Serphoid (Proctotrypoid) Parasites of the Hessian Fly" (Proc. Ent. Soc., Washington, Volume 24, Number 5).

'15—William L. Doran, assistant professor of Botany, is author of New Hampshire Agricultural Experiment Station Technical Bulletin 19, "Laboratory Studies of the Toxicity of Some Sulphur Fungicides" and a paper on "The Effect of External and Internal Factors on the Germination of Fungous Spores," published in the Bulletin of the Torrey Botanical Club.

'15—A bulletin of fifty-two pages on "The Effect of Hydrogen Ion Concentration Upon the Growth of Seedlings" has just appeared from the Delaware Agricultural Experiment Station, by Lester Tarr. The work shows the favorable range of acidity for seedlings and states that chlorosis is due to the insolubility of iron at low acidities.

'12—H. A. Noyes is Research Chemist for the State Department of Agriculture at Lansing, Michigan, having severed his connection with the Mellon Institute.

'16—W. C. Dickinson, at present holding the chair of landscape gardening at Peabody College, recently gave a very interesting and vital talk on "Guides to the Study of Modern City Planning" at the Centennial Club, Nashville, Tennessee.

'17—E. R. Selkregg, having resigned from the United States Bureau of Entomology, is now a florist in business with his father.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

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GYMNASIUM FACILITIES AT EASTERN COLLEGES

Valuation, Facilities, Source of Funds

A COMPARISON WITH M. A. C.

Seventy-one New England and Eastern Colleges have gymnasiums; five do not. One gymnasium is valued at $1,000,000; the poorest is valued at $2,500. There are only three of lower valuation than the one at M. A. C. Such are some outstanding facts apparent from an investigation carried on some months ago by the Alumni Office.

All New England and Eastern Colleges were asked, "Have you a gymnasium?, What was its cost?, Its present valuation?, Who paid for it?, and What facilities does it afford?"

As stated above seventy reported that they had a gymnasium; six reported they did not. Two of these six had just lost their buildings by fire and one at least has since been replaced. Apparently gymnasiums are a necessary part of the equipment of any college.

A compilation of statistics of the present valuation and cost, using the former figure whenever available, divides the gymnasiums into the following groups:

up to	$15,000	8
$15,000 to	50,000	13
50,000 to	100,000	11
100,000 to	250,000	15
250,000 to	500,000	8
800,000		1
1,000,000		1

Two facts must here be borne in mind; first, if valuation figures were available in all cases the average of this table would be increased as the valuation of many buildings erected some years past would be increased due to the rise of building costs; second, that many of the cheaper structures could not be replaced at the present valuation, both because of depreciation and the higher cost of construction.

Compare M. A. C. with this tabulation and we see that of all the colleges included in this table—and that means all New England and Eastern Colleges that replied to the questionnaire—only three, Drexel Institute, Albright College, and Bates, have gymnasiums valued less than at M. A. C. Bates is now raising money for a new gymnasium. The valuation of the Drill Hall (the gymnasium) at M. A. C. was stated in the last annual report of the treasurer as $9,245.82 and this included the armory, military office, and rifle gallery as well as the athletic facilities.

Rhode Island State College, Connecticut Agricultural College, New Hampshire State College, The University of Delaware, The University of Maryland, District of Columbia College, the United States Military Academy, The New York State Teachers' College, St. Johns College, Washington College and the Hygiene College of New York all have gymnasiums erected by the state, city or national government. The University of Maine stands alone among such colleges, its gymnasium having been erected by the alumni.

Of the seventy gymnasiums included in this survey, thirty-six have swimming tanks, and forty-two have indoor tracks. Practically all have good gymnasium floors, a basketball floor (usually in combination with the gymnasium floor), and some have game courts, boxing and wrestling rooms, etc., M. A. C. can boast (?) only of a basketball floor.

Thus does the M. A. C. gymnasium compare with those of New England and Eastern Colleges.

TENTH ANNUAL MID-WINTER ALUMNI DAY

January 19-20, 1923

Mid-Winter Alumni Day is a time when alumni return to the campus to get acquainted with the undergraduate body. Mid-Winter Alumni Day is an alumni-faculty-student affair and differs in nature from either World Aggie Night or Commencement. Mid-Winter Alumni Day is a day when alumni pass on their experience to students, when students entertain the alumni, and all join together in having a good time.

The program speaks for itself. Here it is:

Friday, January 19, 1923

7-30 A. M. Mid-Winter Chapel award of athletic and academics letters and medals.
8-00 A. M. to 4-30 P. M. Talks by alumni to students in regular class periods.
7-00 P. M. Musical Club concert and a one-act Roister Doister production.

Saturday, January 20, 1923

8-00 A. M. Academic Activities Alumni Club breakfast. Breakfast meeting of alumni interested in athletics.
10-00 A. M. Business meeting of the Associate Alumni of M. A. C.
12-00 M. Alumni - faculty - student dinner.
2-00 P. M. Amherst-M. A. C. hockey game.
3-15 P. M. Relay race with Williams.
3-30 P. M. Freshman basketball game with the Springfield High School of Commerce.
8-00 P. M. Fraternity Initiation banquets.

The Registration desk will be opened in Memorial Hall 8 A. M. Friday. Tickets for the concert, play, dinner, and athletic events will be given to alumni who register.

Come and have a good time. Hear the Musical Clubs, see the fine quality of the Roister Doister plays, take part in the business meeting of the Associate Alumni, enjoy a good dinner, watch the M. A. C. hockey team outskate Amherst, see the relay team and the freshman basketball team in action, and then top it all with an excellent fraternity initiation banquet. What did you say? You'll be here? Fine!

FUNDAMENTALS OF AN AGRICULTURAL EDUCATION

Abstract of an Address*

BY DR. H. J. WHEELER, '83

Education, as has been said, "may be either mainly esthetic, ethical, intellectual, physical, or technical, but to be most satisfactory it must develop all these sides of human capacity."

Facts learned in college may be forgotten; but the gaining of power to deal with new or critical questions, to see straight, to think effectively and honestly, and to fit one's self into a niche where the largest service can be rendered, is an accomplishment worth the best effort of every student.

Agricultural education gives classified information; it develops judgment or wisdom; it is well fitted to develop constructive creative ability; and it should develop at the same time as effectively as other types of education that most necessary element, character, which enters so vitally into all the relations of human life.

The natural sciences offer abundant scope for the development of that most important faculty, imagination. It is not enough to tell the student of geology that coal usually occurs in seams alternating with limestone, shale, slate, or sandstone. On the contrary, the student should be led to reason for himself and conclude what must have occurred to render this possible. It is not alone the writer, the musician, and the artist who must be endowed with imagination; it is equally important for the practical farmer who is continually face to face with new problems and difficulties; it is essential to the business man who must meet new situations at every turn; it is the greatest asset of men engaged in research work of whatever kind.

In the four-year course in agriculture there will always be a large percentage of men who will enter teaching, agricultural research, business related to agriculture, agricultural extension, or the various allied sciences, such as chemistry, entomology, and botany; and for them one of the first requisites is familiarity with the literature of the respective subjects. Too often what little knowledge the college graduate possesses of these matters has been gained merely by chance. While the cultivation of the memory and the ability to absorb and retain facts is of great moment, it is far more important to know where information in any desired line may be found most readily and expeditiously.

To the attainment of this end a knowledge of French and German is absolutely essential. No man can expect to do teaching or successful research work of the highest order who has no access to original articles in both languages.

When the college graduate comes in contact with the industries and the real things of life, costs must be considered first of all

*This acticle is an abstract of an address to the undergraduates of M. A. C on November 23, 1922.

Continued on page 2.

THE MASSACHUSETTS AGRICULTURAL COLLEGE
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OBITUARIES

Frederick William Morris, '72

Mr. Frederick W. Morris died at his home, 71 East 92nd St., New York City, October 20, 1921.

He was born in Springfield, Mass., May 2, 1850, and belonged to one of the oldest and most respected families of the Connecticut Valley, his father being Henry Morris, judge of the old Court of Common Pleas of Massachusetts, that preceded the Superior Court.

After leaving College, Mr. Morris engaged in the book business in Springfield, but soon removed to New York where he was a broker and dealer in rare books.

He was an expert in his line and was a familiar figure at book auction sales for more than forty years, acted as purchasing agent for a number of public libraries and private book-collectors, and was a bidder at practically every book auction held in New York, Boston and Philadelphia.

Fred Morris will be remembered by his college friends as being much interested in college athletics and for his genial and sunny disposition which drew men to him. These characteristics were invaluable to him during his last years while suffering the affliction of failing eyesight, which resulted in total blindness. He is survived by a widow and two sons.

Daniel P. Cole, '72.

Frederick Cornelius Eldred, '73

Frederick Cornelius Eldred was born in Sandwich, Mass., January 7, 1849, and died there November 23, 1922, aged 73 years and 10 months.

During his years at M. A. C. college interest in rowing, in this country, was greater than ever before or since. Every college of note sought to establish and equip a "college navy," and nearly all colleges of New England and New York were thus outfitted.

Eldred masterfully guided the instruction in rowing at M. A. C., at first in the "gymnasium" on the third floor of the old chemical laboratory, and then in shells on the Connecticut at North Hadley.

During the fall and spring he took his men over to the river, four miles away, in a one-horse wagon several times a week for practice. By the summer of 1871 he had produced an exceptionally fine crew, consisting of George Leonard, '71, bow, A. D. Norcross, '71, G. H. Allen, '71, H. B. Simpson, '73, F. M. Somers, '72, F. C. Eldred, '73, stroke.

In the intercollegiate regatta of American colleges at Ingleside, just north of Springfield, on July 21, 1871, three institutions participated—M. A. C., Harvard, and Brown, —and the respective crews finished in the order named, amid great enthusiasm of the many friends of the "farmer's college". The newspapers liberally praised "the wonderful stroke oarsman and his crew."

After graduation at M. A. C., Eldred, for several years, was in business in New York City, at first as insurance broker and later as dealer in woodenware. During most of this period he practiced rowing, joined the "Argonauta Boat Club" of Bergers Point, N. J., and was stroke of its four oared crew when it won the amateur championship, in 1874, at Philadelphia.

An unfortunate loss of several fingers from one hand, through an accidental gunshot while on a hunting tour, necessitated his retiring as oarsman. He went back to Sandwich, became a cranberry grower, and continued in that occupation till the end.

All interests of humanity were dear to him, especially those of the college. Head and front of athletics and founder of the "M. A. C. Navy" while a student he was always a champion of educational athletics and was gratified to find such growth and enthusiasm throughout the institution whenever he returned for class reunions.

Fred Eldred was held in high esteem by everybody and everybody was his friend. In the sight of all men he did justly, loved kindness and walked humbly.

Charles Wellington, '73.

Ansel Wass Paine, w'87

Ansel Wass Paine—"Dude" Paine, as he was familiarly known by his college mates, —entered M. A. C. from Boston in September, 1883. Possessed of an unusually fine physique and of engaging personality he soon found his place in the student life of the college. He was of a likable type and readily made friends wherever he went. Of a cheerful and happy disposition, somewhat optimistic, he was inclined to look on the bright side of life and, although handicapped financially, he made a good fight for the education he felt he needed. He was not especially prominent in college athletics or in college activities but was always ready to do his bit when the time came.

While in college he became much interested in poultry and in his Junior Year, as those of his day well knew, his attempt to raise chickens by the incubator method in an unoccupied room on the top floor of old south dormitory resulted one cold snowy night in early February in the possibility of the erection of the present structure.

Mr. Paine soon after left college and connected himself with the hardware business in Boston and also tried his hand at farming in a nearby town. Later he obtained an appointment as inspector in the Chinese Inspection Service serving in the far West and later stationed in Buffalo where he remained until obliged, about 1915, to resign on account of ill health. In May, 1920, it was reported to his class secretary that he was afflicted with creeping paralysis and practically helpless though his mind was not affected and that he was being cared for in a private sanatarium in Buffalo. The news of his death, therefore, did not come as a surprise and while we regret his passing—the passing of one who was in many ways of the ideal type of manhood—we must feel that it was for the best and we who knew him will remember him as he was when he was with us and of us in college life.

F. H. Fowler, '87.

The following deaths have been reported: Herbert H. Jenney, w'14, September 27, 1922. Perley B. Jordan, '16.

Lyman Arthur Ransehausen, w'05

L. Arthur Ransehausen was born in Barre, Mass., December 26, 1881, the son of the late John C. and Mrs. Joan Ransehausen. He was prepared for college in Springfield High School, and in the fall of 1901, entered the Massachusetts Agricultural College with the class of 1905, remaining one year. He finished his collegiate education at Cornell University. After graduation he was a chemist for the Springfield Gas Light Company and later Chief Chemist for the Sanitary District of Chicago. He was a member of the Phi Sigma Kappa Fraternity and rarely missed a class reunion.

For several years he suffered from the effects of a nervous breakdown, and died May 20, 1922. Besides his mother of Springfield, Mass., he leaves a brother, Edward B. Ransehausen, of San Francisco, Calif.

Lewell S. Walker, '05.

Fundamentals of an Agricultural Education.

Continued from page 1

and the bearing of cost features as well as the problems of marketing often overshadow mere production.

The seminar idea should be more generally introduced into college work, since it affords an exceptional opportunity for the establishment of ideal sympathetic relations between student and professor and a splendid antidote for the rather dogmatic instruction of the classroom. It also furnishes the finest sort of inspiration to the senior or other advanced agricultural student.

Graduate or undergraduate research work should have as its chief aim the teaching of the methods of research in the most effective way; whereas in the Experiment Stations, research must have a direct utilitarian bearing. College research should include familiarity with the important scientific journals as well as the careful taking of notes and the writing up of results for all this is good preparation for the work of making reports, which is an important factor in all large undertakings of every kind in later life.

Early and narrow specialization in an agricultural college is just as undesirable as it proved to be at Harvard until the present system was adopted; for, as has been said, it tends to develop a type of scientific mind that is "as much to be guarded against as the credulous and ignorant."

Many of our colleges fail to give the student a proper outlook upon his subject before he begins it; for example, a few well chosen lectures on the history of chemistry, showing its development, applications, and ramifications are necessary to awaken proper initial enthusiasm for the subject.

Both two-year and four-year men should have continuous training in English composition, and all written exercises in all subjects should be returned to the student with blue-pencilled or red-inked corrections of the English. Students should not find their later progress in life arrested by inability to write correct English.

The two-year men especially, and freshmen if possible, should be taught by the best informed and most experienced teachers; and for the short-course students, the teacher should also have had wide practical experience, which can be gained only by contact with the best farmers in several states, for provincialism has no place today in agricultural education

The colleges should not fail to give some practical instruction in matters of banking, ordinary business, and types of investments, so that the graduate may not be sent out an easy prey to the bulls and bears and

vendors of worthless securities. Since few students know just what their future career will be, the years in college should be devoted primarily to laying a broad, sound, and sure foundation.

H. J. Wheeler, '83.

STUDENT ACTIVITIES

BY R. L. JONES, '20

Three years participation in undergraduate activities, though they were non-athletic, has given me an opportunity to form certain ideas concerning the place and value of various phases of college life at M. A. C. A knowledge of Old Aggie's traditions as well as a familiarity with her present athletic administration, prompts me to reply in no uncertain terms to the recent article in the Alumni Bulletin, entitled, "Are Athletics Overstressed at M. A. C.?"

The aim and end of the college of today should be the turning out of clean, forceful, fearless, intelligent men; and intercollegiate athletics should be subservient to this ideal.

I firmly believe that athletics at M. A. C. are not an end in themselves; but, that they are carried on as an essential part of a sound educational policy, and are supervised by a thoroughly competent general manager, and taught by capable coaches. Winning teams are not the goal. Beyond the success of this or that team is the knowledge that its individual members know what it means to fight, to play clean, and to accept the result as true sportsmen.

The statement, made concerning a recent Aggie basketball team, that, "you looked like all that the term 'gentlemen in sport' implies," is a worthwhile and lasting tribute. It means far more, not only to the members of that team but to all Aggie men who know of it, than all the games won or lost that season. An athletic policy which turns out this kind of teams is, incidentally, a big, live advertisement for any college.

For want of a better definition, let "college spirit" be termed "an enthusiasm, born of love of Alma Mater, and based upon past accomplishments and traditions." It is but natural that this enthusiasm should find its outlet in that form of activity which has the most thrills, in that game which gives the red-blooded college man the biggest opportunity to yell. If country-wide collegiate interest and attendance figures mean anything, that game is football. It is not to be wondered at then, that the gridiron forms the nucleus of college spirit, each fall.

I believe that every activity, both athletic and non-athletic, has its place at Aggie, as it has in every institution. Every activity has its educational value. The student who realizes this, who takes sufficient time from his books to make good in something not in the curriculum, gets the more complete and better balanced development. It is apparent, however, that unless student activities are left to the individual's own decision, they cease to be of value. They must afford self development through self selection. This they do at M. A. C., since the student can "try out" for whatever he chooses.

This is an ideal situation, and because it is true; because all activities are thus open to selection; and because the athletic activities are seasonal, the "alarmist theory" of an obliteration of certain phases of college life at Massachusetts Aggie, seems entirely unfounded.

Robert L. Jones, '20.

'18.—H. Raymond Baker is Associate Professor of Bacteriology at the University of Delaware, Newark, Delaware.

w'18.—Walter G. Fletcher is Assistant Superintendent of the Rockefeller Farm at Greenwich, Connecticut.

CLUBS AND CLASSES

Pittsfield, Mass.

On the 24th of November nine alumni organized a club. R. M. Gibbs, '12 was elected president, and Richard A. Waite, '21 secretary. A committee of three—D. F. Carpenter, '86, G. N. Willis, '05, and R. W. Hurlburt, '18—was elected to look after the interests of the three sections of Berkshire County. Several alumni are in Pittsfield ready to greet M. A. C. men travelling through the city.

Washington, D. C.

The report of the Washington Alumni dinner of November 22 states that forty-six alumni and college staff members and their wives were present. This was the largest gathering of M. A. C. followers ever held south of New York City. President Butterfield attended the dinner. The following officers were elected for the coming year: President, Dr. E. A. Back, '04; Vice President, C. A. Bowman, '81; Secretary-Treasurer, H. C. Brewer, '13; Choragus, C. M. Walker, '99; Club Reporter, P. J. Binks, '18.

CLASS NOTES

w'86—Alfred B. Copeland, formerly of Russell, Mass., is now a florist and grower of plants at Taveres, Florida.

'93—F. H. Henderson is superintendent of the F. M. Kirby Park of the city of Wilkes-Barre, Pa.

'99—Frederic A. Merrill is a Specialist in Agricultural Education with the States Relations Service, United States Department of Agriculture, Washington, D. C.

'01—J. C. Barry is now located with the General Electric Co., at Erie, Pa.

w'04—The September-October issue of the Franklin County Farmers' Bulletin contains an article on the farm and community activities of G. A. Witherell.

'05—Fred L. Yeaw is Field Agent in Vegetable Culture for the University of California Agricultural Experiment Station. He is working primarily on the canning tomato crop at the present time.

'09—Oscar C. Bartlett is Field Entomologist for the state of Arizona.

'09—Harold J. Neale, Superintendent of Audubon Park, New Orleans, is taking an active part in an association recently formed for the development of State Parks in Louisiana. Mr. Neale has officiated in a number of Tulane University football games this year, acting as umpire and head linesman.

'09—L. G. Willis is a soil chemist in the Division of Agronomy, State College Station, Raleigh, N. C.

'12—A copy of *The McBurneian*, the student publication of the McBurney School, New York City, of which Thomas Hemenway is Headmaster, was recently received by the Alumni Office. Such news about alumni and their work are appreciated.

'12—George E. Merkle is with Fiske Bros. Refining Co., Newark, N. J. They are engaged in a general business of refining and manufacturing petroleum produce, including lubricants and soaps.

'12—William E. Philbrick is in landscape work with Taylor ('05) & Co., Cleveland, Ohio.

'14.—F. W. Read is Chief of the Bureau of Standardization, State Department of Agriculture, Sacramento, California.

'14—Loring H. Jacobs has given up landscape architectural practice, and is now engaged in producing lumber in New Hampshire. Mr. Jacobs has been elected a member of the first town planning board in Wellesley.

CAMPUS NOTES

Musical Club Concerts

Dec. 28—Second Congregational Church, Melrose Highlands. Concert only.
Dec. 29—Annual Boston Alumni Concert and Dance. 8 P. M. in the Swiss Room, Copley Plaza Hotel. An informal affair. Tickets sold at the door, $2.50 a couple and $1.50 single.

Fruit Judging

The Fruit Judging team placed fourth in the Eastern College Contest at Pennsylvania State College, with practically a triple tie for second place. The results were:

West Virginia	91.75%
Maryland	87.49%
Pennsylvania	87.44%
M. A. C.	87.26%
New Jersey	83.33%
Ohio	81.18%

Winter Track Schedule

Jan. 20—(Mid Winter Alumni Day) Relay with Williams at M. A. C.
Feb. 3—B. A. A. meet at Boston. Relay probably with New Hampshire.
Mar. 8—Indoor meet with Northeastern at the Boston Y. M. C. A.

Varsity Hockey

Jan. 17—Williams at Williamstown.
20—(Mid Winter Alumni Day) Amherst at M. A. C.
23—American School of Osteopathy at M. A. C.
26—Hamilton at Clinton, N. Y.
27—Cornell at Ithaca.
Feb. 3—Dartmouth at Hanover.
9—Rensselaer P. I. at Troy.
10—Army at West Point.
14—Yale at New Haven.
Pending—Bates and Harvard at Boston.

J. J. McCarthy, '21, Captain of the B. A. A. Hockey team and J. G. Hutchinson, '14, of the Boston Hockey Club will assist Coach H. L. Collins, '22.

Basketball Schedule

Jan. 6—Middlebury at M. A. C.
10—Dartmouth at Hanover.
13—Northeastern at M. A. C.
20—Tufts at Medford.
24—Wesleyan at Middletown.
27—New Hampshire at M. A. C.
31—Harvard at Cambridge.
Feb. 3—M. I. T. at M. A. C.
7—Worcester P. I. at Worcester.
10—St. Lawrence at M. A. C.
13—Trinity at Hartford.
17—Rhode Island at M. A. C.
23—Hamilton at M. A. C.
Mar. 3—Tufts at M. A. C.

'15—Ralph P. Hotis, assistant Market Milk Specialist in the United States Department of Agriculture, is co-author of two bulletins—"Cost of Milk Production in Vermont" and "Cost of Milk Production in Delaware."

'15—W. R. Sears is in the employ of Olmstead Brothers. He is located at Redondo Beach, California.

'15—I. B. Simon is Assistant Director of Physical Education at the High School, Fort Smith, Arkansas.

'16.—Arthur E. Hendry is at Conyers Farm, Greenwich, Connecticut.

'16.—Conrad H. Lieber is Research Bacteriologist at the Digestive Ferments Company, Detroit, Michigan.

'17.—Henry G. Dunham is Director of the Bacteriological Laboratory, Digestive Ferments Company, Detroit, Michigan.

BIRTHS

'18—A daughter, Barbara Cushing, to Mr. and Mrs. Weston C. Thayer on November 18, 1922.

'20—A daughter, Jean, to Mr. and Mrs. Milo R. Bacon on November 16, 1922.

'20—A son, Carroll Vernon, to Mr. and Mrs. F. E. Cole, Jr., on November 12, 1922.

MARRIAGES

'19—Hall B. Carpenter to Marguerite W. Carpenter on November 30, 1922, at St. Johnsbury, Vermont.

CLASS NOTES

'76.—G. A. Parker of Hartford, Conn. is superintendent of Parks in that city.

w'76—E. G. Preston is an Electric Engineer for the Electric Light Plant of Auburn, N. Y.

'93.—Luther W. Smith is connected with the Farm Mortgage department of the First National Bank of Chicago, travelling in Illinois and Iowa.

'97.—Austin H. Fitz is an instructor at the Babson Institute, Wellesley Hills.

'05.—A. R. Paul is at Bangor, Pa. engaged in the production of fruit and honey.

w'08.—C. H. Chadwick is now a division engineer in charge of the statistical division of a constructing and consulting engineering firm.

'08.—Frank E. Hutchings of Lynn, is a training officer at the Boston Veteran's Bureau.

'08.—Theoren L. Warner of Sunderland, is one of the vice presidents of the Connecticut Valley Tobacco Assscіation. He is also one of the directors of the association.

'10.—S. W. Mendum is Junior Economist with the Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

'10.—George W. Paulsen is now teacher of Physics at White Plains High School, White Plains, N. Y.

'11.—Roland H. Patch is Assistant Professor of Floriculture at the Connecticut Agricultural College, Storrs, Conn.

'11.—Raymond L. Whitney is Head Farmer at the Westboro State Hospital.

'13.—L. W. Burby is Superintendent of schools in Nehawka, Nebraska.

'13.—J. Dudley French is salesman for Anderson, Clayton & Co. of Boston, merchants in raw cotton.

'13.—H. F. Jones is vice president of the United Sugar Companies at Los Mochis, Sinaloa, Mexico. He is also American Consular Agent.

'16.—Gilbert W. Rich is teaching Physics and Chemistry at Dean Academy, Franklin.

'16.—Henry M. Walker is president of the Stetson Coal Company, Boston, of the Somerville Coal Company, Somerville, and also of the J. N. Cowin & Company, Inc., Medford.

'16.—R. S. Wetherbee of Rochester, N. H. is County Agricultural Agent for Strafford County.

'16.—Raymond C. Eldredge, who was formerly foreman of the Littlefield-Wyman Nurseries, North Abington, is now with Carbone, Incorporated, florist and importer. Boston.

CLASS NOTES

'17—Ralph C. Holder, research Chemist for the Collis Products Co., is author of the United States Department of Agriculture Bulletin 1952, "Rations for Feeding Poultry in the Packing House." He is also joint-author of two articles, "Baker's Yeast as a Food for Man" and "Utilization of Soy Bean and Corn Proteins as Affected by Suitable Mineral Supplements."

'17—Frank W. Mayo is Principal of Shelton (Conn.) High School. The football team at this high school has had a very successful season.

'18—F. A. Carlson, who received the degree of Ph.D. at Cornell in June, 1922, is now Assistant Professor of Soil Technology at the University of California, Davis, California.

'19—Gunnar E. Erickson is a student at Boston University, School of Business Administration.

'19.—Chester D. Stevens is an Agricultural Statistician in the United States Department of Agriculture.

'19—Robert Skinner is travelling for the Montreal Florists' Exchange.

'20.—H. W. Hamlin is corresponding for the Aluminum Cooking Utensil Company in the state of Pennsylvania.

'20—Morton H. Cassidy is a high school teacher in New Britain, Conn.

'21—I. E. Gray is a graduate assistant in zoology at the University of Wisconsin.

'21—Edward B. Newton is teaching at Fryeburg Academy, Fryeburg, Maine.

'21—Laurence Pratt is at Stamford University, California, doing graduate work in chemistry.

'21.—Robert M. Gould is Supervisor of the Northern Berkshire Cow-Testing Association.

'21.—Edward B. Landis is with Moon's Nurseries at Morrisville, Pa.

'21.—John D. Snow, who is with the United States Department of Agriculture, has been traveling through the South and Middle West for the past year. He was in Nebraska all summer.

'22—E. Warren Chapin is teaching algebra, trigonometry, physics, and biology in the High School at Montpelier, Vermont.

'22—Francis W. Hussey is in the landscape department of the B. H. Farr Nurseries Co., of Wyomissing, Pa.

'22—Irving R. Knapp is an instructor of dairy husbandry at Pennsylvania State College, State College, Pa.

'22—John N. Lewandowsky is teaching at the Shelton (Conn.) High School.

'22—Howard J. Shaughnessy is an instructor in public health, Yale University, New Haven, Conn.

'22.—Roger Acheson is with a market gardening establishment in Arlington.

'22.—Leslie D. Bent is dairyman at the Brook Farm, Lenox.

'22.—Harry G. Lindquist is in the Dairy Department, University of Maryland, College Park, Maryland.

'22.—Joseph T. Sullivan is a graduate assistant in agricultural chemistry at New Hampshire State College.

'22.—Miss Margaret Perry is at Macdonald College, Quebec, Canada.

Copies of the October issue of the Alumni Bulletin are wanted. If anyone has a copy to spare they will be appreciated. Mail to the Alumni Office, M. A. C.

PUBLICATIONS

'06—Richard Wellington is the author of "Technical Bulletin No. 6" of the Minnesota Experiment Station: "Comparison of First Generation Tomato Crosses and Their Parents." Professor Wellington is now associated with the Agricultural Experiment Station at Geneva, New York.

'08—Dr. H. K. Hayes of the Minnesota Agricultural Experiment Station is senior author of a paper "The Effects of Self-Fertilization on Timothy," published in the November issue of the *Journal of the American Society of Agronomy.*

'13—Professor O. G. Anderson of Purdue University is co-author of a book entitled "Control Measures for Insects and Diseases Attacking Horticultural Plants."

'15—Franklin W. Marsh tells in Science for September 29, 1922, "How to Make a Clear Beef Agar for Bacteriological Use."

Faculty—"Visualized Study," by W. R. Hart, Professor of Agricultural Education, in the October-November, 1922, issue of *Visual Education* is a description of the method of conducting the classes in County Agent Work at M. A. C.

CLASS NOTES

'19.—Carlton Blanchard is to coach athletics at the Massee Country School in Stamford, Conn., this winter.

'19.—Ralph T. Howe has been appointed secretary to the President Hetzel of New Hampshire State College, Durham, N. H.

'19.—George N. Peck is herdsman at the Killingly Farm, Barre, where pure bred Jerseys are raised.

'19.—Errol C. Perry is a cow tester for the Claremont and Lebanon Cow Testing Association at Claremont, N. H.

'19.—Marion G. Pulley is assistant Supervisor of Egg Standardization work. She is now located in Jefferson City, Mo., working on a state wide standardization program, the first of its kind in the country.

'20.—Robert L. Jones is an assistant in Chemistry at the Experiment Station. Kingston, R. I.

'20.—Allan C. Williams is an agricultural instructor at the Lawrence High School, Falmouth.

'21.—George W. Edman is a reporter for the *Springfield Union*, Springfield. He has been assigned to West Springfield.

'95.—H. A. Ballou is with the West Indian Agricultural College, St. Augustine, Trinidad, B. W. I.

w'21.—Julian D. Smith graduated from the University of Illinois in 1921. He received practical experience after graduation at the Joseph H. Hill Company, Richmond, Indiana. He is now employed as a rose grower by the Dailledanze Brothers, florists, Brooklyn, N. Y.

'22.—Frank Kokoski has the position of analyst at the M. A. C. Experiment Station.

'22.—Rowland P. Smith is an analytical chemist for Wiley Company, Baltimore, Md.

'22.—George A. Cotton is in the Market Gardening business with his brother at Woburn.

'22.—Belding E. Jackson is teaching in the Belchertown High School, Belchertown.

'22.—Edward W. Martin is teaching at the Central Village, Conn., High School.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, January 25, 1923 No. 6

THE INTERESTING SCIENCE OF LIFE

What Is the Meaning of Life

BY DR. R. E. TORREY '12

Five years ago the writer of this article was called upon one Alumni Day to address the Science Division of M. A. C. Fearful of stage-fright and failure before an audience which in earlier years had held him in terrorized subjection, he unfortunately committed his remarks to writing. After five years the yellowed copy of those notes has been exhumed and your Editor has asked him to bring out a rescension for the pages of the Alumni Bulletin.

Five years ago the subject of the address was: The Interesting Science of Life. Two main questions were posited at the outset and since in their very nature they are questions which admit of no catergorical answer but in one form or another challenge every generation, it will not be amiss to consider them here again before a wider audience. The questions were:

1. What is the meaning of Life and what is man's correct relation to Life?
2. What is the best training through which a student in an Agricultural College may attain to this correct relation?

Involved in the very heading of this article there lies a paradox for the question may legitimately be raised: Is life really so interesting after all? There can be no question that the child finds interest in the world and that this interest is carried forward into school and college. To be sure many fail in the schools but this is largely due to the fact that they are incapable of rising to the level demanded by the environment. They are destined to take their place in the group of "under men" in whose increase a recent writer sees such a menace to civilization.

As we study the college student at close hand, however, it is often to be noted that about the third or fourth year of the course his interest begins to wane and a note of doubt and distrust appears in his conversation. Part of this is due to uncertainty regarding the future, part is a correlative of the type of work which an agricultural college sees fit to impose in the last two years of the curriculum; but that these are not the main causes is proved by the fact that the same phenomenon is evident in the liberal colleges where the young man's future is more often assured and where the standards of the last two years are more rigorous than those of the first two. This curious development is confined largely to the most brilliant students—men who stand head and shoulders above their fellows—hence there can be no question as to their ability to adapt themselves to the exigencies of the curriculum. I have seen this attitude develop in later years of graduate study into complete disillusionment and cynicism.

Such undergraduate uneasiness does not often affect the average student though later in life, caught in the net of thwarted

Continued on page 2.

WHAT WOULD YOU DO ABOUT IT?

15% LOST EACH MONTH

Few alumni realize the seriousness of the situation in which the Memorial Building Fund now stands. On the one hand are liabilities of $26,200, a note for moneys borrowed from a bank in order to pay the contractor. On the other hand are unpaid pledges amounting to $41,261.41. Yes! the latter figure is a little higher than the liabilities represented by the note but this margin is gradually and rapidly being eaten up by interest charges and the expenses of collection. Interest amounts to $125 each month. Fully 15% of the payments collected during the last three months have been used to pay interest charges and expenses of collection incurred during the same three months. Then again, can we collect every cent of the pledges?

The situation is so serious that the Executive Committee, after careful consideration, has decided to ask for authority to collect pledges by legal means if they see fit to do so.

Facing a condition like this, it is certainly encouraging to open the mail in the morning and find a check for $125 as an additional contribution from an alumnus in Chicago, or to find several checks for payment of pledges in arrears with a little extra thrown in for interest.

The alumni are still solidly back of the undertaking, they will see it through, but many do not realize what the failure to meet their pledge promptly means.

EXECUTIVE COMMITTEE ACTION

At the regular monthly meeting of the Executive Committee, the second of the month, the following business was transacted:

1. The invitation of Coach Gore to appoint a committee to study athletic conditions at M. A. C. was accepted and it was voted to appoint such a committee.
2. The monthly budget report showed total receipts of $1814.15 and total expenditures of $1124.20, leaving a cash balance of $689.95.
3. The membership report indicated that 616 alumni had paid the current year's membership fee, 317 were one year in arrears, 66 two years in arrears, and 118 three years in arrears.
4. It was voted to instruct the Assistant Secretary to collect $1000 more in dues and sustaining memberships.
5. A report of the results of letters sent to those in arrears on Memorial Building pledge payments was considered and it was voted to ask the Associate Alumni at the time of the Mid-Winter Alumni Day meeting for authority to collect Memorial Building pledges and to have blank forms prepared for extension of credit.

TOWN REPRESENTATIVES OF M. A. C.

Who and What They Are

THE WORK THEY DO

A little more than a year and a half ago the College inaugurated the system of Town Representatives and today there are representatives of the College in 255 of the 362 townships of the State. Before long nearly every town will be represented.

What is a Town Representative of M. A. C.? He is the representative of the College in his town. He is a clearing house of information. He tells boys and girls, and men and women, of the educational possibilities of the College. He is on the other hand a representative of the town to the College. He brings to the College suggestions and criticisms, requests for information or assistance and all such matters. He advises the College on local conditions affecting publicity.

Who are selected as Town Representatives? Leading men and women in the community, selected by the County Agent or someone else who knows who the influential people are. They may be leading farmers, school superintendents, business men—it matters little what—all are outstanding personalities whose word carries weight. About one-third of the Town Representatives already appointed are alumni of the College, many others are relatives of alumni, some have taken short courses, and others are connected with the Extension Service.

By sending them all publications and announcements issued by the College, by publishing a monthly Town Representative news letter, by county and other meetings of Town Representatives, and by personal correspondence it is planned to make of each Town Representative a person sympathetic to and well informed about the College.

Several definite objectives have been placed before these representatives: A boy a year to enter M. A. C. from each town, a group of high school pupils to attend High School Day each year, a boy to attend the summer camp, an excursion of older people to the campus during the summer months, arranging for an occasional speaker from the College, and arranging local study groups in connection with the Extension Service. There is plenty of work for Town Representatives. The granting of scholarships by local organizations, publicity in local papers, handling traveling exhibits of the College—these and many other activities, many of which have been suggested by Town Representatives, themselves.

The Town Representative plan is still in its infancy but its future promises much. Gradually a real workable system is being evolved.

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w'19—Frederick Schenkelberger has been promoted from New England salesman to manager of the New York office of the Safepack Mills, manufacturers of waterproof paper and prepared roofing.

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DEATHS

Word has been received of the deaths of:

'91—Frank Lyman Arnold on December 21, 1922, at North Woburn.

w'96—Dr. Walter J. Curley.

The report of the death of Perley B. Jordan '16, in the last issue of the Bulletin, is incorrect.

The Interesting Science

Continued from page 1

hopes and desires or in the boredom of hopes realized and desires fulfilled even our 100% American Babbits come dangerously close to the actual formulation of the age-old question: Is life worth living? Arnold Bennett has said that the average man's first thought when he awakes in the morning is: "Another day, Oh Lord! what a grind."

Now, paradoxical as it may seem, this is one of the most hopeful signs of the times, and yet such phenomena must be appalling to all our long-winded and solemn doctors of the body politic who assure us that in their proposed economic Utopia all people will possess goods and leisure and will be content. For it seems that we witness most of this peculiar type of unhappiness among those who are well provided with worldly goods and with the best intellectual training which the schools can give.

To understand the meaning of life would seem to be the special business of the Biologist. Let us then turn to him and ask him what is the matter with the human organism.

As the Biologist looks out upon the drama of creation he is impressed by two contrasted aspects of the changing show. On the one hand he witnesses the evolution of forms and he builds up a science of comparative morphology; on the other hand he cannot deny a psycho-mental evolution which goes on hand in hand with the physical transformations, and he builds up the sciences of physiology and psychology. He realizes that the psychical life of the lower organisms is expressed almost wholly in direct responses to environal stimuli and he infers from analogy with his own consciousness that such reflexes are accompanied by diffused and vague sensations of well-being or discomfort. With the higher organisms however, it becomes evident that sensations have taken on an increased vividness and are sought for their own sakes. With man still another element enters the psychic complex and mind comes into being. At first its activities are fitful and serve only to enhance the sensuous life but later it deals objectively with concrete reality and finally penetrates the world of abstract thought.

As the mental activities of the unfolding Life Power begin to surge up into consciousness the organism — man — enters a world of delights and satisfactions which again are of a keener order than has been known before. He studies the physical furniture of his universe; he names, he measures, he catalogues, he brings order into the apparent chaos of facts, and he calls the result Science. He studies the range of his own endeavors, of human hopes, dreams, aspirations, and thus the Humanities arise. With vivid pleasure he ranges through his mental world; he pushes his explorations into the still unknown parts of his domain; he harnesses the forces of nature to his will and he exclaims; Behold a Civilization!

It should be noted, however, that never in the whole range of its evolution has the organism wholly shaken off the old layers of consciousness when taking on the new. Man is not pure intellect; reflexes still control his vegetative activities; passions and desires still rage through his emotional nature. Yet he instinctively feels that these are all to be subdued and dominated and made subject to his mind. It is at this point that a shadow begins to steal across the sky. The battle with the brute is more often lost than won; degradation and misery result if he tries to turn back to the levels of sensation. Furthermore, when flushed with his former intellectual successes he essays to penetrate yet more deeply into his universe, into the problems of substance, origins, causes, destinies, he finds himself beset with a haunting sense of insufficiency and insecurity. He wearies of cataloguing phenomena as endless as the sands of the sea-shore. Then there creeps upon him the nostalgia so characteristic of all advanced civilizations and he begins to ask the age old question: Is life worth living? He sees the discoveries of science applied to creating new methods of self-indulgence for the beast he would fain escape; he witnesses a growing complexity in physical civilization against which the "under men" of his race revolt; he sees "red ruin and the breaking up of laws" and finally his civilization slips slowly down to barbarism. This is no fanciful theory: Eight separate times, says Flinders-Petrie, during 12000 years, civilization has reached the stage of science and wealth and then it has succumbed. By all analogy with the past we are witnessing the same beginning of the end.

In broader and more general terms the biologist might state the situation as follows: For ages Life has been fighting a winning battle with matter, ever raising it against great odds from its state of passivity and inertia to a condition of dynamism and activity. Thwarted at almost every turn by the retrogressive tendency, or the tendency of the form to set and harden, the Life Principle has laborously evolved group after group only to see the latest creation sink into sleep and slide backward to death. The forms were beautiful as all forms through which life has worked are bound to be, but the beauty became static. What happened to the crinoids, the trilobites, the stegocephals or the reptilian monsters of the Mesozoic? Take any explanation we like: say that through extreme specialization they reached a structural impasse and with changed environments were unable to readjust themselves; or say that the impulse of evolution which started that particular group was exhausted, or say simply that the forms were lazy and lay down on the job—the fact remains that they were tossed on the rubbish pile and abandoned by the Creative Fire, which, finding itself walled about by a dike of dead forms found a means of escape through a still living, sensating type and rushed onward toward its goal in the Ocean of Light from which it had originally emerged.

Man, the latest product of evolution, is subjected to the same contending pair of opposites. Pulling downward are the powerful forces of inertia, fear, intellectual arrogance. Against these negative forces are arrayed the weapons of evolving Life: activity, valor, humility. The tide of life is pressing once more against the barrier of dead forms, against scholastic dogmatism, cast-iron creeds, pedantic conservatism. For life is never static and a final resting place in the intellectual life is as impossible as in the world of physical sensations.

Is it clear now why some of us regard the phenomena of student unrest as one of the most hopeful signs of our educational system? Say that the Tide of Life is pressing against the barriers, or say that the Soul is awake and stirring in its prison, or that the High Gods are calling—use any metaphor we will, the Fact is there; these students are growing to manhood's estate and are pressing on to their inheritance.

The proof that the intellectual level of life can be transcended is very simple—men have transcended it. Such men have gone beyond mere knowledge and have found Wisdom: we call them saints and sages. They are the plastic dynamic types which have conquered a new world and made their adjustments to it; they represent the ultimate human types—they are the promise of what is to come.

The Interesting Science of Life: It is questionable whether life as known by most of us is really interesting—is really worth while; thus we give the pessimists their due. But Life as known to the growing and developing organism is an abounding joy. For "Life itself has speech and is never silent. And its utterance is not, as you that are deaf may suppose, a cry: it is a song."

The above discussion of our subject but tries to establish a thesis from which at a later date we may attempt to derive an answer to the second and very practical question of our article viz: What is the best training through which a student in an agricultural college may attain to the correct relation to life?

Dr. Ray E. Torrey, '12.

DO M. A. C. ALUMNI WANT TO GO TO SCHOOL AGAIN?

SO SAYS T. H. REUMANN, '18

I have noticed recently in the New York papers, an idea which the alumni of Amherst College have just put into effect. Their college is giving them reading courses, which they may pursue at their leisure, and in subjects that they like best. Approximately one-fourth of the alumni body has enrolled, and are "going to school" again.

It is especially interesting to note that by far the greater number has taken reading material in the humanities, which avowedly do not effect their earning capacity to any appreciable extent.

It ought to be possible for Aggie graduates to have similar advantages in this matter of reading and studying the subjects they are most deeply interested in. Especially is this true of the many graduates living on farms or in small towns where facilities to find books of the right value are meager.

I hope some way can be found by our librarian to bring this service to every Aggie man who wants it, so that we may have the same privileges that the men of our sister college now so richly enjoy.

Theodore Reumann, '18.

CAMPUS NOTES

New Short Courses

Two new courses have been added to the Ten-Weeks' Winter School; a course in nursery practice and a course in dairying. The dairy course consists of a group of two week courses each dealing with a specific phase of dairying, such as butter making or milk testing.

Coming Track Events

Feb. 3—Triangular meet with New Hampshire and Vermont at the B. A. A. meet in Boston.
Feb. 17—K. of C. meet, Mechanics Building, Boston.
Feb. 22—Worcester P. I. at Worcester.
Mar. 8—Northeastern at Boston Y. M. C. A.

Basketball Scores

M. A. C.	32	Middlebury	14
M. A. C.	15	Dartmouth	42
M. A. C.	42	Northeastern	18
M. A. C.	10	Tufts	18

Hockey Score

M. A. C.	1	B. U.	6
M. A. C.	2	Williams	2
M. A. C.	1	Amherst	1

North Dakota Debate

The North Dakota debating team won a 2-1 decision from M. A. C. in a debate on the question, "Resolved that the Towner-Sterling Bill should be enacted into law in the United States." North Dakota upheld the affirmative.

1923 Football

Kenneth A. Salman, '24 has been elected captain of the 1923 football team. The schedule has been arranged as follows:

Sept. 29—Rensselaer P. I. at M. A. C.
Oct. 6—Bates at Lewiston.
20—Amherst at Pratt Field.
27—Wesleyan at Middletown.
Nov. 3—Williams at Williamstown.
10—Stevens at M. A. C.
17—Tufts at M. A. C.

Coming Musical Club Concerts

Feb. 1—Framingham Normal School.
2—Worcester Normal School (an invitation affair — if interested write Thomas Snow, Manager)
13—Amherst Town Hall.
16—Mt. Holyoke College, South Hadley.
Mar. 7—Baptist Church, Springfield.

Changes in the Faculty

Major Frederick C. Shnyder, Professor of Military Science and Tactics retired from the army on December 31, 1922. He has been succeeded by Major Herman Kobbe. Major Shnyder has conducted the R. O. T. C. admirably while Commandant the past year.

Charles W. Kemp, B. Sc., New Hampshire State College, 1910, comes to M. A. C. as Field Professor in Teacher Training. Mr. Kemp is well acquainted with the teaching of agriculture in secondary schools.

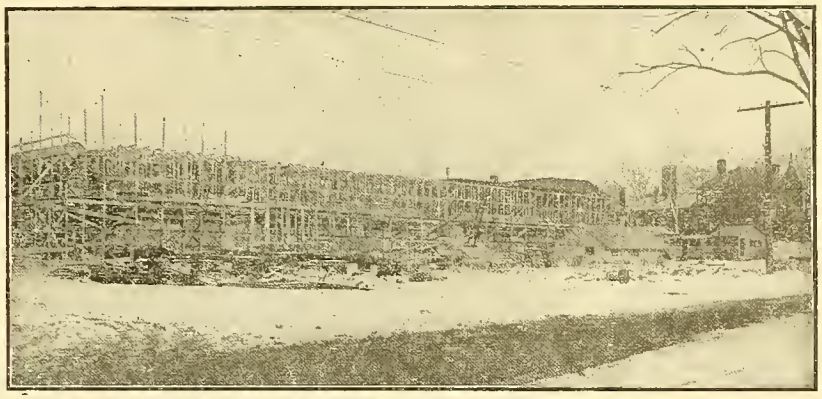
Alumni Advisory Basketball Committee

E. E. Grayson, '17, *Chairman*

L. A. Dole, '15	L. E. Ball, '20
Forrest Grayson, '18	R. S. Stedman, '20
R. A. Parkhurst, '19	C. H. Roser, '22
T. J. Gasser, '18	C. A. Gowdy, '22
A. M. McCarthy, '19	A. W. Smith, '22

Letter Awards

Eleven members of the 1921-22 rifle team have been awarded the R M T, two cross country letters were awarded, and nineteen football men have been granted the major sport letter.



Goessmann Laboratory as it looks today.

THE GAME IS WORTH WHAT IT COSTS

BY L. G. WILLIS, '09

I have had some experience in football as a player, a coach and an official at games and I believe that the game is worth all it costs the player in time and effort. Enthusiasm for and loyalty to the College are worthy of cultivation by the whole student body and I know of nothing equal to a successful football team as a stimulant to their development.

Perhaps we ought to be as enthusiastic over a successful debating team or dramatic club but the fact is we are not, nor ever will be until human nature changes. This may be a sorry state of affairs, and perhaps college men should not let contests of physical skill attract them from the development of intellectual well-being, but apparently there are many among us who in our "pursuit of happiness" like to pin our loyalty to something concrete, such as a college with a team that can win games once in a while and by scores that can be made without the help of three judges and a mathematician.

No doubt our advanced thinkers have done and can do much in regulating the abuses found in college athletics. Not long ago it seemed that the winning team was the one with the most survivors and the score was based on the length of the hospital lists. Then, football players wore their hair bobbed and parted in the middle and it was the rule for a team, while travelling to act like a crowd of thugs. The welcome changes which have produced the present high standard in college sports have been brought about by gradual processes and in conformity with public sentiment. I hope that for the future a way may be found to keep college football free from taint of commercialism in spite of the income derived from the enormous attendance at the big games.

Athletic contests are in the world to stay and I see no reasonable objection to intercollegiate participation.

Some years ago we had football schedules at M. A. C. that took our team against the teams of colleges so much out of our class that we could not hope to win a majority of the games played. The effect was bad. The first object in developing a team is not to provide entertainment for the spectators, nor to train the men to do their best, but to win the games on the schedule, and I want to register my approval of the present system of arranging the schedule and of the coaching system we have had for the past few years.

L. G. Willis, '09.

MARRIAGES

'09—Charles S. Putnam to Sarah A. Ward of Providence, R. I., at Honolulu on June 24, 1922.

'18—Frank J. Binks to Elsie E. Schaefer at Washington, D. C., on December 5, 1922.

BIRTHS

'98—A son, Alan Satterlee, to Mr. and Mrs. Randall D. Warden on December 13, 1922.

'17—A son to Mr. and Mrs. Andrew N. Schwab on November 23, 1922.

w'17—A son, Harry Oliphant, to Mr. and Mrs. Elliott Henderson on November 23, 1922.

PUBLICATIONS

'85—In a recent issue of "The Common Health," official organ of the Massachusetts Department of Public Health, is an article by Dr. J. E. Goldthwaite on "Good Posture as the Basis of Health."

'90—H. D. Haskins is the author of two reports printed in the December issue of the American Fertilizer. The first of these was in his capacity as Chairman of the Committee on Definition of Terms and Interpretation of Results of the Association of Official Agricultural Chemists; and the second as Chairman of a second Committee on Vegetation Tests of the Availability of Phosphoric Acid as Basic Slag.

'12—H. A. Turner is the author of Farmers' Bulletin 1272, United States Department of Agriculture, on "Renting Dairy Farms."

Faculty-President Butterfield is editor of a new series of books for farmers entitled "The Farmer's Bookshelf." Harcourt, Brace and Company of New York are publishing the series. The books being published include: "The Farmer and the World's Food," by Dr. A. E. Cance, Head of the Department of Agricultural Economics, and "Country Planning," by Professor F. A. Waugh, Head of the Division of Horticulture.

Mr. Alumnus:—Do you know of a boy who would like to attend a summer camp for boys during July? The College will conduct a camp for boys of 12 to 16 inclusive. The cost to the boy will be $10 a week. The program will be arranged with two objectives in mind—instruction in Agriculture and recreation. For detailed information write to the Field Secretary, M. A. C., Amherst, Mass.

M. A. C. MEN AT SCIENTIFIC MEETINGS

American Association for the Advancement of Science

The meetings of the American Association for the Advancement of Science, held in Boston the latter part of December, were attended by a large number of men now or formerly connected with M. A. C. The names of eighteen members of the college staff and twenty-eight alumni appeared on the program as formerly participating in the meeting.

K. L. Butterfield
F. W. Morse
C. H. Gould, '16
F. C. Sears
W. W. Chenoweth
R. A. Van Meter
H. F. Thomson, '05
A. P. French
J. K. Shaw
H. B. Peirson, '19
William Mather, '19
Otto Degener, '22
G. B. Ray
G. H. Lamson, '03
S. C. Brooks, '10
A. T. Beals, '92
E. W. Allen, '85
B. L. Hartwell, '89
A. L. Whiting, '08
S. W. Fletcher, '96
A. J. Farley, '08
C. P. Alexander
J. H. Merrill, Ph. D., '14
H. N. Worthley, '18
H. T. Fernald
W. H. Davis
W. S. Krout
P. J. Anderson
A. V. Osmun, '03
S. B. Haskell, '04
W. B. Mack
E. P. Felt, '91
A. F. Burgess, '95
J. A. Hyslop, 08
R. I. Smith, '01
C. F. Doucette, '20
D. J. Caffrey, '09
J. N. Summers, '07
T. H. Jones, '08
W. G. Bradley, w'19
W. E. Tottingham, '03

American Association of Economic Entomologists

Fifty-three M. A. C. people attended the meetings of the American Association of Economic Entomologists, held during the meetings of the Association for the Advancement of Science. Thirty-eight of these M. A. C. men engaged in Entomology held a banquet according to their custom. Mr. A. F. Burgess, '95, was chairman and Dr. H. T. Fernald, Head of the Department of Entomology at M. A. C. and Dr. E. P. Felt, '91, State Entomologist of New York were the speakers. M. A. C. Entomologists present at the meetings were:

C. W. Minott, '83
E. P. Felt, '91
A. F. Burgess, '95
R. A. Cooley, '95
H. L. Frost, '95
W. A. Hooker, '99
R. I. Smith, '01
E. A. Back, '04
F. A. Bartlett, '05
J. N. Summers, '07
J. A. Hyslop, '08
W. S. Regan, '08
R. D. Whitmarsh, '08
D. J. Caffrey, '09
D. M. Codding, '09
S. S. Crossman, '09
M. T. Smulyan, '09
R. H. Allen, '10
L. S. McLaine, '10
F. L. Thomas, '10
G. B. Merrill, w'11
A. W. Dodge, Jr., '12
S. M. Dohanian, w'13
Q. S. Lowry, '13
C. M. Packard, '13
D. W. Jones, '14
B. A. Porter, '14
H. N. Bartley, '15
W. G. Bemis, '15
D. F. Barnes, '16
T. B. Mitchell, '18
L. H. Patch, '18
R. A. St. George, '18
H. B. Peirson, '19
C. R. Phipps, '19
B. E. Hodgson, '19
C. F. Doucette, '20
G. F. MacLeod, '20
H. N. Worthley, '20
D. S. Lacroix, '22
J. T. Sullivan, '22
J. A. Beal, '23
B. E. Gerry, '23
R. B. Friend, '23
W. F. Sellers, '24
H. H. Shepard, '24

American Chemical Society

Aggie men were considerably in evidence at the meeting of the Division of Fertilizer Chemists, American Chemical Society. The Chairman of this Division is Frank B. Carpenter, '87, now Chief Chemist of the Virginia-Carolina Chemical Company, headquarters Richmond, Virginia. Among those who contributed papers were Dr. H. J. Wheeler, '83, now of the Agricultural Service Bureau, American Agricultural Chemical Company, on "Modern Trend in Fertilizer Experimentation;" Dr. H. A. Noyes, '12, "Fertilization in Relation to Plant Composition;" and the Chairman himself on the subject, "The Determination of Potash in Mixed Fertilizers." These various articles are reviewed in the December 15 issue of Science.

CLASS NOTES

'83—Dr. J. B. Lindsey was given a surprise party on January 5th, in honor of his sixtieth birthday by the members of the Experiment Station Staff and of the Chemistry Department.

'88—F. S. Cooley, Director of the Extension Service, Bozeman, Montana, spent a few days on the campus before the meeting of the American Association for the Advancement of Science, held in Boston during December.

'89—Franklin W. Davis, until a year ago commercial editor of the Boston Globe, and recently a special writer for the Christian Science Monitor, has taken a position as copy reader with the Boston Traveler.

w'92 and '94—F. A. Farrar and Theodore S. Bacon have recently been appointed trustees of the Belchertown State School, by Governor Cox.

'93—Dr. E. H. Lehnert is roentgenologist and bacteriologist at St. Joseph's Hospital, Mishawaka, Indiana.

'04—Director Sidney B. Haskell of the Massachusetts Agricultural Experiment Station was elected president of the American Society of Agronomy at the annual meeting in Washington, in November, 1922.

'05—A. D. Taylor of Cleveland, Ohio, has recently visited the campus.

'05—H. F. Tompson was unanimously elected president of the Vegetable Growers' Association of America at their recent annual meeting.

'06—D. H. Carey has left the University of California and is now farming on a forty acre farm in Rio Oso, Sutter County, California.

'08—Dr. W. S. Regan, Entomologist at Montana State College, recently visited the campus for a few days before attending the meeting of the American Association for the Advancement of Science held in Boston.

'13—Laurence A. Bevan has been appointed County Agricultural Agent of Berkshire County.

'13—John S. Carver is a teacher of agricultural subjects at the United States Veterans' Bureau Vocational School at East Norfolk.

'14—Edward C. Edwards is sales and advertising manager for the Za-Rex Food Products, Inc., Boston.

'14—Hoyt D. Lucas is an inspector of milk and ice cream plants of Birmingham, Bessemer, Ensley and Wylem in Alabama.

'14—John T. Oertel is salesman for the Corn Products Refining Co., of New York and is now located in Cleveland, Ohio.

'15—Joseph S. Pike, Jr., is a landscape architect in Pasadena, California.

'16—Benjamin C. L. Sandee is a teacher of mathematics at the Greenfield High School.

'17—Charles H. Hagelstein is a captain of the 27th infantry now located at Schofield Barracks, H. T., after having spent one year in Europe and one year in the Philippine Islands.

'18—Theodore H. Reumann has been re-elected for a term of three years to the Board of Directors of the Stamford Horticultural Society.

w'19—J. A. Chadbourne is an accountant at the Gillette Safety Razor Company in Boston.

'21—Carlo A. Iorio is in Jacksonville, Florida, working as a photo-engraver for the Florida Times Union.

THE PORT O'MISSING MEN

The Alumni Directory is going to press. These men will be listed as of unknown address—unless someone can tell us where they are, where they might be, or who might know how to locate them. Can you tell us?

1871
Williams, Henry
1873
Simpson, H. B.
Wood, F. W.
1874
Adams, F. E.
Babbitt, G. H. T.
Clark, W. O.
1876
Bagley, D. A.
1877
Benson, D. H.
Brewer, Charles
Nye, G. F.
1879
Cook, R. C.
Rudolph, Charles
1881
Kenfield, C. R.
1882
Taylor, A. H.
1884
Hernes, Charles
Smith, Llewellyn
1885
Nash, J. A.
1891
Dubois, C. M.
Johnson, C. H.
1892
Fletcher, W. C.
Haley, G. W.
West, H. C.
1893
Hawks, E. A.
Parker, C. H.
Smith, C. A.
1894
Sanderson, William
1895
Kuroda, Shiro
1897
Howe, H. F.
1901
Gamwell, E. S.
Ovalle, Julio
Whitman, N. D.
1902
Saunders, E. B.
1903
Peebles, W. W.
1906
Craighead, W. H.
Martin, J. E.
1907
Chace, W. F.
Raitt, J. A.
1908
Bailey, E. W.
Liang, L. K.
Philbrick, E. D.
1909
Bent, G. F.
Sexton, G. F.
1910
Partridge, F. H.
1911
Davis, E. N.
Huang, C. H.
Winn, E. L.
1912
Folger, E. M.
Gaskill, L. W.
Terry, Leon
Tower, D. G.
Tupper, G. W.
1913
Post, G. A.
1914
Dunbar, E. W.
Frye, C. R.
Harriman, V. S.
Morrison, H. J.
Pollen, Morris
Rees, H. L.
Reid, G. A.
Sahr, G. W. A.
1915
Lovejoy, J. S.
Navas, Miguel
Perkins, O. H.
1916
Edwards, M. M.
Epstein, H. B.
Googins, Burton
Keegan, F. C.
Kelley, H. R.
Meade, J. W.
Montgomery-Peter, T. M.
Randall, D. W.
Sherinyan, S. D.
Strauss, Abraham
Wentworth, E. L.
1917
Martel, J. E.
Nath, Morris
Nims, H. W.
Schaefer, L. C.
Simons, C. H.
Tucker, L. H.
Weis, Calmy
1918
Bolster, R. N.
Emmerick, L. P.
Lusk, J. I.
Newton, E. S.
Odams, L. N.
Sliski, John
1919
Bartlett, S. C., Jr.
Bath, R. G.
Farrington, R. P.
McClellan, A. N.
Phipps, C. R.
Sampson, G. A.
Snow, P. P.
1920
Howland, G. H.
Wright, K. Y.
1921
Blackwell, Henrietta
Chaquarian, G. A.
1922
Denonitz, Solomon
Fine, Harold
Messenger, H. D.
Stephan, H. W.
Walker, P. D.

'17 D. J. MacLeod is managing a 7000 tree orchard in East Ellijay, Georgia.

'19—William Mather is now a graduate student at Cornell University majoring in agronomy, and specializing in soil science. Since graduating Mr. Mather has seen service at the Rhode Island and at the Maryland Agricultural Experiment Stations, and is now planning to complete work for the doctorate degree.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, February 25, 1923 No. 7

THE DUTY OF THE COLLEGE TO ITS STUDENTS

The Task of the Curriculum

BY DR. R. E. TORREY, '12

Some weeks ago the writer tried to set down in these pages a certain basic principle regarding the meaning of life which he believes is written all over Creation. In the present article an attempt will be made to relate this thought to the specific problem of education at M. A. C.

First of all, it becomes necessary to speak of a prevalent misconception. The struggle for a fuller life does not imply any radical and startling exterior changes. We shall not petition the state for student monasteries, neither shall we try to turn the Aggie Pond into a new Jordan. The changes which we contemplate are to take place in the Inner World. We have enough social and economic panaceas designed for external application already, and M. A. C. has her full share of windy doctrine. General principles, however, are not enough; they require to be made specific and applied to the problem before us. What then should be some of the specific principles upon which we should base the education of the M. A. C. student?

It is a common statement that the college is concerned with the mental training only of its students, and that it need assume no responsibility for their moral welfare. However true this may be in a technical sense it is a doctrine of cowardice and indolence. We scarcely need insist that the progressive moral decadence of America, the growing disrespect for law, the mounting wave of selfish indulgence, are largely the outcome of this *laissez-faire* policy in education. Hence, the most important contribution which M. A. C. can make to the welfare of society is a definite instruction of its youth in the basic laws of the moral universe.

But what are these laws of life we may be asked. Who shall separate the wheat from the chaff in the whirlwinds of doctrine? Oh, little men! here is no talk of your petty systems and warring creeds; I speak of the underlying Wisdom. This Ancient Wisdom was taught by the sages of Egypt and India long before Buddha's time; Christ re-phrased it; Plato, Socrates and the wise men of all ages have shaped their lives in accordance therewith. Certain simple truths serve as its foundation; there is an invisible world of Reality toward which man is evolving. He is a dual creature and must do violence to the nature which he has inherited from the brute. He is his own law giver and the dispenser of glory or gloom to himself. And the way of attainment lies through obedience; obedience to one's superiors, obedience to one's highest ideal of duty. It is a doctrine which reaches far; it demands that faculties should control their student bodies and should not transfer student government into the hands of untrained youths. Surely the latter need the maturer judgments of those who have studied more deeply, who are not

Continued on page 2.

COMMENCEMENT'S COMING JUNE 9-11

Who's Going to Reune?

My little tickler memorandum gave me a punch this morning. It asked me if there were enough class buttons on hand for commencement. A harmless question, but it inferred more. It said, "Commencement's coming. June 9th to 11th. Just four months off."

Remember when you and "Fat" and "Tom"—or it may have been "Bones" and "Al"—were on the campus? Do they expect to be back for Commencement this year? You'll want to see them and they'll want to see you. Is your class holding a reunion this year? You'll want to be here sure, then. Have you been back within the past few years? You ought to see Memorial Hall. If you were back last year you might like to see where the "Old Chem. Lab." used to be and how Goessmann Laboratory is progressing. You haven't been back for years? You won't know the place; come and look it over.

Jot it down on your calendar—put it in red ink and call it a holiday—June 9 to 11, Commencement at "Old Aggie." Don't let any other event get right of way, declare an embargo on everything else. Fix that. Then write your class secretary and say, "How come, are we to reune this year?"

EXECUTIVE COMMITTEE ACTION

At the February meeting of the Executive Committee the following action was taken:

1. The monthly budget report showing $1,859.18 received, expenditures of $1,448.79, cash on hand $410.39, and necessary further receipts of $1,351.21 was accepted.

2. A report on the collection of Memorial Building pledges was made. Since January 19th, 31 payments on pledges and two new contributions totaling $2,053.65 have been made.

3. A committee was appointed to draft a program for next year's Mid-Winter Alumni Day.

4. Preliminary steps were taken toward securing histories of each class as they approach their 40th anniversary.

Correction:—The committee appointed by the Executive Committee at the January meeting is to study all student activities, not athletics alone.

LEST WE FORGET

Memorial Building pledges were made with the realization that it would mean a sacrifice to pay them. Have we forgotten that? Do we put off paying our pledges because it is not convenient to do so now? Would there be so much talk of overpledging if our attitude was still the same? Has the spirit of sacrifice left us? *$40,000 is still unpaid.*

STUDENT ACTIVITIES ALUMNI CLUBS

Sponsor Athletics and Academics

THE VARSITY CLUB

At the time of the Semi-Centennial Celebration about fifty alumni, members of old varsity teams, were called together at a supper in Draper Hall to discuss athletics. At this meeting it was decided that a Varsity Club be formed and that it meet at the college annually at Commencement time.

Membership in this club is open to all men who have been awarded their "M" in any form for athletics, and for those who were in college before the "M" became the insignia, the fact that they were on the team is sufficient. The present officers are John R. Perry '93, President, and William V. Hayden '13, Treasurer. The Secretary has just recently resigned and a new one will be appointed very soon.

This organization should have as members every man who is eligible. Through it the Athletic Department at the College will be able to keep the alumni well informed as to what is doing athletically and in turn be assisted by the council and influence of the members.

These men who have been on Aggie teams have one great experience in common and the Varsity Club should serve to bring them together and closer to Aggie.

THE ACADEMICS ALUMNI CLUB

The Academic Activities Alumni Club of M. A. C., as reads its constitution, "is constituted for the purpose of promoting the Academic Activities of the undergraduate body of the Massachusetts Agricultural College to the end that they may be of the greatest benefit to the students and the College." Membership in the club is open to alumni who, while in college, participated in academic activities.

The present officers are: President, Roland H. Verbeck '08; Vice-President, C. Raymond Vinten '22; Secretary, Richard A. Mellen '21. The oldest member is of the class of '87. Six members come from the class of '22. At the present time 24 alumni are enrolled as members of the club. Others, it is hoped, will join on learning of the organization.

Is there value in such a club? From the standpoint of the student? Yes! From the standpoint of the alumnus? Yes! From the standpoint of the College? Yes! To the student the alumnus brings his experience in the undergraduate activity ripened by the experience of his later years. Guided by such men the educational value of the undergraduate activities will be increased. The alumnus on his part will find some outlet for his college loyalty. His interest lies to a great measure in the activities in which he took part while in college. To exercise that interest is to deepen it and increase his loyalty to the College. Herein both the alumnus and the College will profit. Properly conducted, keeping in mind the purpose of the club, this organization should be worth while.

THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN
Member of The Alumni Magazines Associated

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The Duty of the College

Continued from page 1

blinded by self-interest, who see before and behind, who realize that indulgence and softness are the foes of the higher life. We want young men to work in harmony with the law, not against it, and to step out from the hysteria and gabble of a jazz world gone anarchic over free speech, free verse and free love.

Discipline then, with the object of bringing the personality into harmony with eternal law will be the first task of a real educational system.

The next question for consideration is this. For what immediate goal are we to prepare our students? A broad answer must be that it does not matter what line of work the student takes up if it be something that he can do with pleasure and with profit both to himself and others, and if at the same time it be made the instrument through which he shall recreate himself. Thus every man should seek to fit himself for that work in the world that strikes from him a spark of original genius, and it literally does not matter what this work may be, since in any place and through any work the Soul can find its way. A slave in chains has been a philosopher, and an Aurelius has said that a man can live nobly even in a palace. Let the teacher seek for each student what that student's own genius seeks. It may be that our student has a special knack for growing roses. Well, if he likes it and feels the thrill of creative accomplishment in his work, let him become the best rose-grower in the state; it is the way in which the gods are leading him along the Path. But suppose he shows ability along the lines of literary criticism, or philosophy, or music; let no one thwart that talent. If M. A. C. cannot give him the requisite training, then he must elect the best substitute and depend upon later graduate study to perfect him in the methods of his chosen field, or else transfer at once to another college. There is a promise that the one college in Massachusetts which makes provision for the higher education of its less fortunate youth may soon abandon a narrow policy which ministers to one specialized vocation only and enter upon a broader field of usefulness.

What we want to do then is to bring each man to the job that is best suited to his special state of evolution. Through tactful and sympathetic discussions between alumnus and student or between faculty member and student, it ought not to be so difficult to apprehend the general drift of a boy's inclinations and to direct him into work in which he may be happy and successful.

It is one thing, however, to say that a boy should take that type of work best fitted to his own position on the ladder of life and another thing to aver that all jobs demand equal abilities. Anyone who maintains that the education necessary to fit a man to succeed in the vocational routine of agriculture is of the same quality and quantity as that necessary to insure success in engineering or medicine or chemistry is unworthy of serious consideration. Here lies the crux of a situation which has always divided the M. A. C. faculty into two camps. For many of us see that a college degree of B. Sc. carries a certain connotation. It assumes a certain quantity and quality of intellectual work along scientific lines and it also assumes that colleges granting this degree have sufficient integrity to conform to a standard which we are all willing to admit is low enough at best. Now, as the writer sees it, vocational training is not the type of scientific work which maintains this standard. He is well aware that to pursue this line of thought would be neither popular nor profitable, so he will merely point out that a wise Providence, acting through the medium of the Massachusetts Legislature, has instituted a two-year course in vocational agriculture at the College. In years to come we hope to see it assume its real function and take over all that special type of work of the four-year course which properly comes within its jurisdiction.

This is far from saying that there are no sciences underlying the art of agriculture which are proper fields for four-year student majors. Soil physics and chemistry, bacteriology, animal and plant physiology and pathology, entomology, economics; these and many others offer themselves as truly scientific subjects deserving of the Bachelor's degree. Pursuit of such majors would correct the scandal which now obtains in regard to much of the work of the Junior and Senior years.

There are certain general subjects, too, in which every four-year student should be informed and for many of which wise provision is made even now in our curriculum. Mathematics, physics, and chemistry orient a man to the physical universe and show him how to utilize energy and matter to build up the forms of a material civilization. Biology shows man to himself as a living organism with a definite place in the chain of organic evolution. In just that measure that he understands the lower forms will his relations to them be rendered more beneficial to himself.

Along with scientific education should surely go training in the humanities, such as English language and literature, foreign tongues, economics, history and philosophy. For let us never for a moment forget that our primary purpose in coming into incarnation is not to build up a scientifically perfect Utopia on earth, but to provide a field for the activities of an evolving ego whose present path lies through a material universe. Through the humanities the student finds the high *camaraderie* of his fellows.

If we of the Alumni and Faculty would have our students make the correct adjustment to life, we ourselves must be living embodiments of our beliefs. If we would teach respect for scholarship, then we must be scholars ourselves; if we would have enthusiasm in our classrooms, then we must become real enthusiasts; if we would cultivate sincerity and kindliness, let us strive to develop those qualities; and if we would show men the way to a better life, then we must stop sniveling in the stuffy corners of life and step out into the world of High Adventure. Our horizon must expand beyond the limits of a commercial or a scientific squirrel cage inside which we perform eternal gyrations. We begin to weary of windy talk and of clacking machinery. Doubtless it is necessary that imperfect and unillumined beings like ourselves should rely so strongly on externals and through a multiplicity of isms and boards and leagues and committees should try to bring heaven down to earth. But shall no one any more try to raise earth to heaven by starting the Universal Dynamism working in human hearts?

NEW ENGLAND COLLEGE CONFERENCE ON INTERCOLLEGIATE ATHLETICS

ORGANIZED BY FIVE COLLEGES

The New England College Conference on Intercollegiate Athletics was organized on January 28th by M. A. C., New Hampshire State College, Connecticut Agricultural College, Rhode Island State College, and the University of Maine. President R. D. Hetzel of New Hampshire State was elected president of the conference and Professor E. T. Huddleston of New Hampshire State was elected secretary and chairman of the eligibility committee. The other members of this committee are Professor Curry S. Hicks of M. A. C., and R. J. Guyer of Connecticut State.

The preamble to the code of the conference says:

"The members of this conference approve the pronouncement of the National Collegiate Athletic Association which states 'That physical training and athletics are an essential part of education; and that in every college or university, the department of physical education and athletics should be recognized as a department of collegiate instruction, directly responsible to the college or university administration.'

"We believe, on the other hand, that there should be the most careful effort made to balance work and interest in intercollegiate athletics with the other and the main factors on the educational programme.

"We believe that the following provisions are essential to the ultimate development of these ideals:

"(a) A department of physical education and athletics having the same academic status as other departments and having all its employees regular members of the college staff.

"(b) Uniformity in scholarship requirements for membership on teams, in so far as that is possible of agreement among the different institutions.

"(c) Uniformity in the regulation and development of athletic teams in the different colleges.

"The main purpose of this conference is to bring about a closer co-operation on the part of the New England colleges in the maintenance of high standards of eligibility and in the administration of intercollegiate athletics. It is understood that no member of the conference is obliged to participate in a mutual schedule; and, furthermore, there shall be no announcement of conference championships by officials of the conference."

The eligibility rules state that to be eligible a student must be a bona fide matriculated student and a candidate for a bachelor's degree or its equivalent, and must have been in residence one year and completed a full year's work. A student having received a varsity letter from one institution may not represent another institution in inter-collegiate athletics.

Other New England colleges willing to subscribe to the same conditions and seeking admission to the conference will be considered for membership.

M. A. C. TO CONDUCT A CAMP FOR BOYS

FINE CHANCE FOR BOYS TO SEE THE COLLEGE

For a number of years before the war and again in the summer of 1921, the College conducted a camp for boys on the campus. This feature of the work of the College will be resumed again this year. A camp for boys of 12 to 16 years of age will be held during the month of July. The camp is designed to provide for boys from the city or the country a period of recreation and instruction in agriculture.

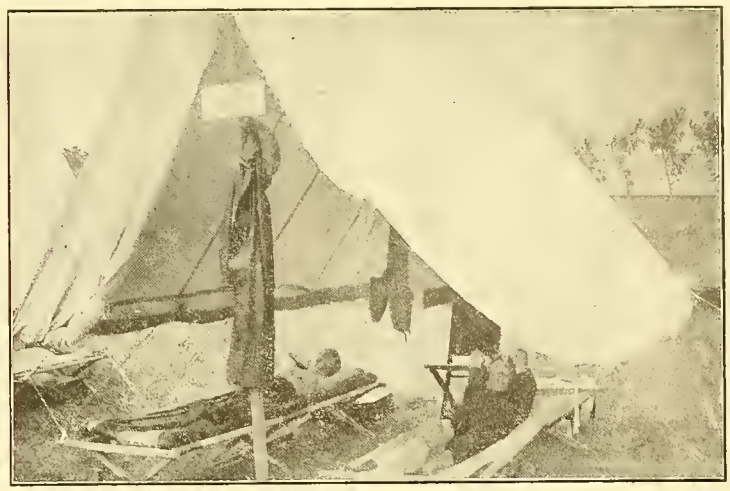
The camp program will be so arranged that a morning period will be devoted to the study of agriculture. The afternoon will be devoted to hiking, scoutcraft, athletics, and other activities of interest to boyhood. Evenings will provide the opportunity for the display of dramatic ability, council fires, and all the ceremonies of the young savage.

The campers will sleep under canvas. The Field Secretary of the College and the Supervisor of Correspondence Courses are the college officials responsible for the operation of the camp. College students will serve as councillors, providing a leader for every 8 to 10 boys. The physical and moral welfare will be well looked after.

moral welfare of the boys will be well looked after.

weeks, opening on June 30th. Boys may enroll for one or more weeks, but the attendance will be limited to fifty boys each week. The charge for attendance will be $10 a week.

Mr. Alumnus, have you a son who might some day enter



Aggie? Or do you know of a boy who might? Here is a fine opportunity to introduce him to the College and at the same time see that he spends a profitable as well as an enjoyable summer. Camp announcements will be sent on request. Inquire of the Field Secretary.

COMMUNICATIONS

This Is My Answer

I read on the first page your letter concerning the seriousness of the situation in regard to the Memorial Building Fund, and my answer to your question "What would you do about it?" is that I enclose a check which I think will help relieve my conscience on this matter.

I certainly believe the Memorial Building is one of the best things that the alumni have attempted for some time, and I regret very much that there seems to be a halt in the money coming in for the same.

Trusting that my check may help a little and wishing you all success, I am

Yours cordially,

Fred H. Tucker w'76.

Editor's Note: This letter was not written for publication. The check accompanying it was for $100. This alumnus had already paid $200.

Sending a Valentine

The best Valentine I can send to Old M. A. C. at this time is an enclosed check for the Memorial Building—to commemorate the deeds of our boys over-seas. I am of the class of 1876. To you it looks like a long while ago, but to me it seems but yesterday.

Yours very truly,

————, '76.

Editor's Note: This letter was not written for publication. A check for $1,000 was enclosed.

An Alumni Extension Library

Allow me to express my hope and wish for an alumni reading course for M. A. C. men as described by Theodore Reumann '18 in the issue of January 25, 1923.

The enrollment of Amherst men surely proves, without a doubt, that the average College Alumnus still interests himself in some particular subjects studied at his Alma Mater. Why can't Aggie graduates obtain similar benefits from the College Library?

The fact that we are so engrossed in our daily work for a livelihood, warrants the use of certain books from our college library that cannot be obtained otherwise. The college librarian could also greatly assist us in our choice of books regarding the subjects in which we, the graduates, are most interested. We cannot always learn of the newest books published. This applies to all lines of study.

An alumni extension library of this kind would act as a binding force between the college and its graduates. The results of such a system would be unlimited. Here's hoping "Aggie" makes some progress along this line of service.

Harry B. Berman '20.

Library Books for Alumni

It is the policy of the M. A. C. Library, "day by day and in every way", to increase its efficiency and extend the scope of its activities as a means of adult education, not only for readers in residence at the college, but for graduates wherever they may be residing, and for citizens of the Commonwealth generally. Through its extension service and in co-operation with rural libraries, on an inter-library loan system, books likely to be of interest to graduates and other adult readers are widely distributed over the state. Indeed, our circulation area is not limited by state lines, for M. A. C. graduates as far away as Florida and Oregon have been supplied with books bearing on subjects in which these graduates have maintained their interest beyond the day of graduation. In a single year the library extension service has thus loaned 897 books and 252 pamphlets working through 56 local libraries.

For many reasons it is desirable that this book service to graduates should, as far as possible, be conducted in co-operation with the nearest public library, but where that method is attended with too great inconvenience to the borrower and in exceptional cases loans of books may be made directly to the individual. It is possible, therefore, for M. A. C. graduates to obtain from the college library books and other printed matter bearing on almost any subject in which they may be interested, and the library force is always ready to give information as to the latest material available in the library collections.

This statement was suggested by the communication of Mr. Theodore Reumann '18, which appeared in the Bulletin of January 25th, and if Mr. Reumann's plea for the formulation of definite cultural reading courses for graduates by the college should prevail, the scope of the library extension work might be greatly broadened with commensurate advantage.

The Librarian.

CLUBS AND CLASSES

NOTE: For class and club secretaries—*Material for this column should be in by the 10th of the month.*

Cleveland

An All College Dinner is to be held at the Reserve Gymnasium the evening of April 12th during the convention of the Association of Alumni Secretaries.

1920

Nineteen Twenty plans to reune this June at Commencement time.

BIRTHS

'15—A son, Frank Elijah, to Harold M. and Caroline E. Rogers, on January 5, 1923.

'16—A son, Walter Burns, to Mr. and Mrs. Lewis Schlotterbeck, on December 16, 1922.

MARRIAGES

'22—Edward W. Martin to May F. Grady, on January 31, 1923, at Amherst, Mass.

PUBLICATIONS

'83—C. W. Minot is the author of Bulletin 1093 of the United States Department of Agriculture, published under the title: "The Gypsy Moth on Cranberry Bogs."

w'03—Clifford A. Tinker has a finely illustrated article in the National Geographic magazine for November, 1922, on "Lisbon, The City of the Friendly Bay".

'04—Dr. E. A. Back of the Bureau of Entomology, U. S. D. A., is author of Farmers' Bulletin 1275, "Weevils in Beans and Peas." Preventive and remedial measures for lessening damage caused by weevils in beans and peas are described in this bulletin. Dr. Back is also author of Farmers' Bulletin 1156, "Angoumois Grain Moth."

Faculty—Dr. R. J. McFall, Extension Professor of Agricultural Economics, is author of "The Dairy Industry" in Economic Studies No. 8.

Faculty—Frank Prentice Rand is author of a book entitled "Phi Sigma Kappa, A History." This book is being published in connection with the semi-centennial of the fraternity coming in March. This is of interest to the College, as the first three chapters are laid exclusively at M. A. C.

CAMPUS NOTES

Relay Race

The Williams relay race on Mid-Winter Alumni Day was won by Williams in 3 minutes 15 3-5 seconds. The team placed second at tie B. A. A. meet being defeated by about 2 yards by Vermont.

The relay with Boston University was won by M. A. C. The indoor meet with Worcester Tech was won by Tech 35 to 33.

At the New England A. A. V. championships Donald MacCready, a senior at M. A. C., placed second in the 1,000-yard run and third in the 600-yard run.

Winter Chapel Award

At the chapel exercises the morning of January 19, fourteen seniors, 3 juniors, and 2 sophomores were awarded football "M's." Two seniors were awarded the "aMa." Ten gold medals and one silver medal for participation in academic activities were awarded to seniors and one silver medal was awarded to a junior.

Hockey Scores

M. A. C. 1	Amer. School of Osteopathy	0
M. A. C. 3	Cornell	2
M. A. C. 1	Dartmouth	5
M. A. C. 1	Amherst	3
M. A. C. 2	Army	1
M. A. C. 1	Yale	4

Debating

M. A. C. is to meet Connecticut Agricultural College and Rhode Island State College in a triangular debate on March 15th. The question is, "Resolved that the United States shall recognize the Soviet government of Russia."

Basketball Scores

M. A. C.	17	Wesleyan	18
M. A. C.	20	Harvard	23
M. A. C.	19	M. I. T.	14
M. A. C.	16	Worcester P. I.	20
M. A. C.	26	Trinity	14
M. A. C.	24	Rhode Island	16
M. A. C.	33	Hamilton	17

Weekly Hikes

Professor Curry S. Hicks is conducting weekly hikes for members of the student body. These hikes have been organized for the purpose of creating an interest in hiking and have proven quite popular.

Poultry Judging

The poultry judging team placed fourth at the contest in New York on January 26th. An M. A. C. man tied for high individual honors in utility judging and another placed second in standard judging.

"ACADEMICS"—AN EXPLANATION

Don't look for a dictionary—it won't help you out. Just "lend me your ears." For a number of years there had been agitation on the part of students and alumni to have the name of the Non-Athletics Activities Board changed by substituting a positive name for the negative "non-athletics." No one, however, could suggest a satisfactory name, until last June the suggestion was made that "Academic Activities" would be a change for the better. After considerable discussion the change was finally made.

Since that time common usage has resulted in the coining of a new word, "Academics", which broadly interpreted covers all literary, dramatic, musical, oratorical, and agricultural judging activities at M. A. C. This name has been well received and some day, who knows, may find its way into the voluminous pages of the English dictionary.

CLASS NOTES

'83—Dr. H. J. Wheeler recently addressed the Connecticut Vegetable Growers' Association on the problem of soil fertility as it concerns vegetable growers.

w'97—A. H. Fittz is at the head of the Department of Finance at the Babson Institute. He frequently acts as attorney for Roger W. Babson and the various Babson corporations. Mr. Fittz is director of the Babson Park Company and President of the Oil Statistics Company. He is also director of the Manchester Trust Company, as well as a member of the Natick School Committee.

'04—M. F. Ahearn, Director of Athletics at the Kansas State Agricultural College, has recently been appointed to the Football Rules Committee of the National Collegiate Athletic Association of America, the body which makes the football rules to govern all the colleges in the country, and through them, all the contributory high schools and sand lots. This is probably the highest athletic honor ever conferred upon an alumnus of M. A. C.

'05—H. F. Tompson spoke at the state agricultural meetings at Harrisburg, Pa., on January 24, to the Vegetable Branch of the Pennsylvania State Horticultural Association. He also spoke at the meetings of the Ohio State Vegetable Growers' Association at Columbus, Ohio, on February 2; in the morning of the experimental work for vegetable growers and in the afternoon of the co-operative organizations for selling in the market.

'06—Charles A. Tirrell, with the Garden Service Bureau of Chicago, is building up a prosperous business.

w'06—Allen D. Farrar has recently been promoted to district manager for the Fuller Brush Company.

'08—K. E. Gillett is president of the New England Nurserymen's Association.

'09—D. J. Caffrey, G. M. Codding, and S. S. Crossman recently had a reunion in Boston, and went over everybody except those present.

'10—Walter Clarke spoke at Assembly, January 17, on the "Future in Fruit Production."

'12—Roland H. Patch, Professor of Floriculture at the Connecticut Agricultural College, is in charge of the trial gardens of the American Dahlia Society.

'13—H. B. Bursley has recently been elected to the American Society of Landscape Architects. He is with E. S. Draper, '15, Charlotte, N. C.

'13—Captain Gordon W. Ells, U. S. A., has been transferred from Camp Travis, Texas, to Shanghai, China.

'13—Herbert W. Headle has been appointed chairman of National Garden Week for Springfield.

'14—L. W. Needham has recently assumed the managership of the B. H. Farr-Wyomissing Nurseries Company, Wyomissing, Pennsylvania.

'14—L. E. Smith plans to conduct Camp Sangamon for Boys again this summer. He will be assisted by H. M. Gore '13, Associate Director, L. E. Ball '21, E. C. Preston '21, and R. L. Goodwin '26. This camp has a distinctly Aggie coloring.

'15—Philip Whitmore was moderator of the Sunderland town meeting, at which the town voted to stick to standard time for 1923.

'16—Lewis Schlotterbeck is assistant to general manager of the Rising & Nelson Slate Co., West Pawlet, Vermont.

'17—W. D. Whitcomb has changed his work with the Bureau of Entomology, U. S. D. A., from Yakima, Washington, to New Orleans, Louisianna.

'21—P. J. Cascio is with Vaughan's Seed Company, New York City.

'22—Hervey F. Law, formerly with A. D. Taylor, '05, Cleveland, is now with Fletcher Steele, Landscape Architect, in Boston.

'22—George H. Thompson, Jr., is working for the General Electric Company at Pittsfield.

MID-WINTER ALUMNI DAY

ALUMNI SPEAK, EAT, AND MEET

One hundred and fifteen alumni, or thereabouts, enjoyed the Mid-Winter Alumni Day festivities on January 19—20. The Musical Club concert Friday evening; the alumni dinner Saturday noon; the hockey game with Amherst (resulting in a tie 1 to 1 with six overtime periods); the relay race with Williams, and the Freshman basketball game Saturday afternoon; and the fraternity initiation banquets Saturday evening were fully enjoyed according to custom.

Among the Alumni Day speakers were: A. W. Higgins '07, H. F. Tompson '05, and Ernest Russell '16, who spoke to the vegetable gardening students on the "Fertilizer Industry", the "Vegetable Gardening Indutry", and "Asparagus Growing in the Connecticut Valley", respectively; David Buttrick '17, who addressed the dairy students; H. J. Baker '11, who spoke to the freshman class and other English department students on "The Place of English in Practical Affairs"; William L. Doran '15, who addressed the botany students on "Opportunities in the Field of Botany"; and Roland H. Patch '11, who spoke to the floricultural students on "The Opportunities in Floriculture" and told them of his own personal experiences in that field.

President Butterfield addressed the meeting of the Associate Alumni of M. A. C. on Saturday morning. After his address the following business was transacted:

1. Reports of the Secretary, Treasurer, and Memorial Building Committee were presented and accepted.

2. A report of steps taken to collect Memorial Building Pledges and the results secured was presented. After discussion it was voted unanimously "That the Executive Committee be instructed at its discretion to collect Memorial Building pledges by whatever means may be available."

3. It was announced that Professor C. S. Plumb '82, had accepted the chairmanship of the Endowment Committee.

4. Announcement was made of the appointment of a committee consisting of Raymond K. Clapp '12, chairman, Benjamin W. Ellis '13, George B. Palmer '16, Richard W. Smith '17, and C. Raymond Vinten '22 to investigate and report on student activities.

The Academic Activities Alumni Club held a breakfast meeting, Saturday morning. Discussion centered on the Collegian and Musical Clubs. A constitution was adopted completing the formal organization of the club.

A meeting of alumni interested in athletics was held at breakfast, Sunday morning. The results of the athletic schedules were discussed and Professor Hicks spoke of the possibilities of the erection of a physical education building and what such a building would consist of.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, March 24, 1923 No. 8

WHAT SHOULD A COLLEGE TEACH?

Is the Curriculum Too Broad?

ABSTRACT OF DR. PRICHETT'S REPORT

It is frankly the purpose of the editor in printing the following abstract from the annual report of the Carnegie Foundation for the Advancement of Teaching and other comments on this subject to incite the interest of alumni in this question in order that a profitable discussion may be carried on through the columns of the BULLETIN.

The rise in the cost of education has been largely due to the conception of education upon which our school system has been built up. The present-day system of education has reached its enormous expense, not wholly by reason of its efficiency, but partly by reason of its superficiality.

It is clear that a school which stuffs a child's mind with facts alone will do little to arouse his intelligence and teach him how to use it. On the other hand, it is equally clear that in order that the child may learn to think and to use his mind for the solution of the problems that are to arise in his subsequent life, he must have a certain background of knowledge from which to reason.

The school is therefore primarily an intellectual agency. Inevitably, the question of morals, of manners, and of the child's attitude toward human life, will be influenced by his school life, and ought to be, but these results are best attained when the school realizes its primary purpose and devotes itself vigorously to that purpose.

There are certain studies which must form a part of the intellectual background of any American child who is to discharge the duties of a citizen and to lead a useful and happy life. He must know his own language. He must have some knowledge of elementary arithmetical processes. He must know something of the government of his country and his rights and obligations as a citizen. In this day most people would admit that this minimum must embrace some acquaintance with the processes and results of science.

In contrast with this notion there has arisen another theory of education: that the child must know something of a great number of things that are going on in the world. The first conception makes for sincerity, for thoroughness, and for intellectual vigor. The second, only too often, in the endeavor to give the child some grasp of all knowledge, gives him only the most superficial smattering; instead of quickening his powers of reason tends to give him the impression that he can solve the problems of his own life and of his own country by the same superficial processes that he has learned in the school.

Essentially the same question arises in the determination of what a high school is for and what a college is for. Both of these schools were intended for the cultural education of the youth. In each it is necessary that the student shall gain a certain background of knowledge and that he shall learn, at the same time, to use his mind as a facile tool to be turned to any problem that may arise in his social or business relations.

Today we understand clearly that to exclude science from the schools would be blindness, but we understand also clearly that the human spirit may reach the highest intellectual training by many paths. It may be through the study of Latin and Greek. It may be through the concepts of science and the experience of the laboratory. But whether we come to intellectual vigor by the one method or the other, we know that the goal is reached only by the path of hard work, of sincere, intellectual effort, and of the mastery of some things.

There are few specifics in education, but by whatever road a child or a youth seeks

Continued on page 2.

ALUMNI AND HIGH SCHOOL DAY

MAY 5, 1923

The best advertisement of a college is its product—the alumni, the men whom it has trained. It is a natural corallary that if not the most, alumni are at least a very important factor in maintaining the student body. Each alumnus is potentially a recruiting agency for the college; but in many cases this potential power is seldom, if ever, exercised.

High School Day is a time set aside annually by the student body for the entertainment of prospective students. This year the fourteenth annual High School Day will be conducted on May 5. The program will include an inter-scholastic stock judging contest, a cavalry gymkana, carefully organized inspection tours around the campus, a varsity baseball game with Williams, a musical club concert and one act Roister Doister play, and fraternity receptions.

Can you think of a better combination, of better team work in interesting a high school boy in M. A. C. than an interested alumnus, the student body, and the faculty all working together? Well, here you have it. The interested alumnus sees that the prospective student attends High School Day, the student body entertains him and introduces him to members of the faculty, who explain to him the work in which he is most interested.

The student body and the faculty are ready to do their part, how about the alumni? (See campus notes for the High School Day program. Announcements of the day may be secured from the Field Secretary, M. A. C.)

WHAT IT COSTS TO GO TO M. A. C.

A Study of Student Accounts

BY L. M. LYONS '18

The editor of the ALUMNI BULLETIN assigned me the task of finding out how much it costs to go to Aggie. After hunting down every student account that I could find in the hours the State permits me for diversion, my best answer is that it depends on how much you have to spend. The annual expenses, either from actual accounts or close estimates, of the first twenty subjects I approached, averaged $574. Just four were under $500 and just four were over $700. The lowest was $297, but this man had worked several weeks of one term for his board and had made no account of that item. The man with the largest expenditure declared he went through $1000 a year and his fraternity mates insisted that he needed a guardian.

Perhaps the best way to get at the problem is to consider cases. The first man I talked to had started out with nothing and was in a fair way to end with a like sum. In his four years, including vacations, he has earned and spent $935. This has carried him through, but all four years he has tended a furnace and garden for an Amherst family for his board and room. You can say it cost him $243.75 a year to go to college, or you can set the going value on his board and room and arrive at a total of approximately $2500 as the cost of his college course. It really doesn't much matter.

The interesting thing is that with a hoe and fiddle and an average good summer's work, he could make his way and still have time for a fraternity, for varsity football and the glee club, and pocket money enough to support the social obligations of his condition in life. Perhaps I can't quite say he is typical, but there are enough of him so that he doesn't feel lonesome at Aggie, and he doesn't feel either that he has done anything particularly worth talking about.

Another senior who has kept minute accounts of four years showed average expense of $650. He seems about an average Aggie man, belongs to a fraternity, goes out for athletic teams, belongs to the glee club, takes in most informals and football games, went to his sophomore-senior hop, but could not afford to go to the prom. He feels that he has to be economical, works for his board and earns $200 every summer, so that he earns a total of about $500 a year. He declared to me that "a man can go through comfortably on what I spent, have good times and take in everything."

Another senior who is not a fraternity member felt sure his expenses did not go over $450. He doesn't go to dances or on football trips, and his estimate did not include clothes.

The varsity football captain-elect, a fraternity member, estimates his expenses at $600, and is able to earn his way completely by washing bottles in the dairy and

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THE MASSACHUSETTS AGRICULTURAL COLLEGE
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OBITUARIES

FRANK LUMAN ARNOLD '91

It has been requested of me to pay a tribute of homage to my personal friend and classmate, Frank L. Arnold. Born in 1871, at Granby of this state; educated in the public schools; he entered and graduated from M. A. C. in the class of 1891; studied practical chemistry at the college experimental station for the following four years, then, at different places, engaged in manufacturing chemistry throughout his life. He was married to Miss Bertha Kimball of Gloucester about twenty-six years, and she, with their three children, survived his death on December 21, 1922.

So runs the cold and meagre biographical record, but the true record is written far deeper, marking a life full of inspiration to those skeptical about success to a life deprived of many early advantages.

Though born of humble folk, they were yet of the sturdy New England type from which much of the solid fabric of democracy is woven. With no uncommon advantages in a financial way, by good sense, good purposes and continued efforts, he rose to be an expert in the profession which he loved.

Well does the writer remember the mere boy who appeared on our campus in the fall of 1887. Modest, unassuming and unaffected as he then was, he always remained so. Quiet and unostentatious, he cared not so much for society, but loved companionship of his friends. He talked little. His hand was open but his lips closed.

Not especially conspicuous in public life, he served his community well and faithfully in many ways. His home life was ideal and exemplary.

To those of us who, publicly or more intimately, knew Frank Arnold, with his noble qualities and his many deeds of kindness, what can seem more sorrowful and untimely than such an early termination of a life still useful and strong? May it not be answered that, although his public service has so abruptly ended; his family ties have been so painfully cut; though, with tender hearts and moist eyes, we, his classmates, close another chapter in the rapidly depleting roll of living members, no mortal shall say that in his short life, he had not rounded out, with overflowing measure, attainments usually incident to a period of three score years and ten?

In any event it is not inappropriate that we comfort ourselves, while we mourn, with the words spoken of another,

"He fulfilled the 'solemn trusts of life' committed to him and gently
'gathered to the quiet West
The Sundown splendid and serene!'"

Henry J. Field, '91.

Communications for publication in the ALUMNI BULLETIN should not be over 500 words in length. They should be mailed to the alumni office.

WHAT SHOULD A COLLEGE TEACH?

Continued from page 1

education, he will find it only by the path which leads through sincerity and thoroughness. To master something well is the beginning of education. To know the English language well, to read it and speak it with precision and discrimination, to have acquired the taste for good books, constitutes a wiser background of knowledge for any American boy or girl than all the miscellaneous scraps of information that he can gather touching many fields of art and science and literature or even retail selling and advertising.

So great has become the differentiation of effort, whether one consider the elementary school, the secondary school, or the college, and such an enormous role is now played in the life of the two higher schools —the high school and the college—by activities other than those of education, notably athletics, that the young man or young woman who goes out from college at the end of sixteen years of school training rarely knows the fundamental subjects which he is supposed to have studied with anything like the thoroughness that the graduate of the English Public School has at the age of eighteen.

In these sixteen years the student has tasted of many dishes. He has been a guest at many tables. Rarely has he come under an inspiring and earnest teacher. He knows almost nothing of intellectual discipline, and is neither able nor in the mood to bend himself heartily and effectively to a sharp, intellectual task.

No nation can continue to offer sixteen years of preparatory education to its students, of this superficial sort, and meet its needs in educational training. If the work of education were rightly done, no such time ought to be required, and no nation can afford to turn its trained men into their professions so late in life as we are coming to do. Without question four years can be dropped out of this program with advantage to the cause of education and to the interest of the people and of their children.

The Springfield Union:

When a school graduate enters employment the test is never on what he knows but on what he can do with what he knows and what he can do with the things he has yet to learn.

Information may be forgotten in a year or less, but education cannot be lost. Facts may disappear from the mind, but the power to use them, which is education, is an increasing force for greater and greater results in actual contact with the problems of business and life.

Principal Stearns of Phillips Academy:

The inevitable smattering of knowledge that results from the superficial study of numerous subjects breeds carelessness and inaccuracy in thought, in speech, and in deed.

WHAT IT COSTS TO GO TO M. A. C.

Continued from page 1

by working in a restaurant. His summer nets him $150.

The most detailed student account that I found totals $689.26. It was a senior's, and he insisted that it was high, largely because of an item of $108 for clothes. He also had $58 down for travelling, which I am sure is high. Every man I met who spent over $650 had apologies to make. One has an allowance sufficient to permit him to save money on it and spend $750 a year. He dresses expensively and misses nothing that happens in a social way. One Federal Board student had an expense record of $850. The Federal Board men, endowed by a generous government with $100 a month, set the pace in spending.

Almost all expense accounts I have met are based on $10 a week for board and room. Most students who believe they are economizing to the limit, support fraternity taxes and occasional dances. But I got an exact account from one freshman whose only indulgence above the bare necessities of life is fraternity membership. (And as our Aggie life is now organized, fraternity membership can scarcely be counted a luxury. Ninety per cent of all students above the Freshman class belong to fraternities.)

This freshman will have spent $400 by June 9. He cooks his own meals, which saves him $108 a year. He is still wearing the clothes in which he came from the farm, and he has not indulged in any of our extra-curriculum activities. He borrowed $200 this year, but he must earn all his own way hereafter. He counts on $200 from this summer's employment and he already has a janitorship for next year which will net him $20 a month. He is committed to a straight four years of college at $400 a year—no clothes, no dances and cook his own meals.

I am convinced that 15% of our boys earn all their way through and that twice as many earn part of their expenses. More than half the leaders in college activities are working their way wholly or in large part. Those who aren't working generally excuse themselves by pleading that jobs are so scarce at college that any man who seeks employment without compelling need is open to the criticism that he is taking away work from a man who must have it or leave college. The college employment committee paid $29,000 to 319 students last year. A good many more worked off the campus. The committee lists 94 permanent positions, about 80 of which yield the equivalent of board or nearly that.

But the summer is the time of harvest; a few students claim to earn $300 in this period, a good many say $250; and though most put the figure at $150, I believe an inquisition on this subject would show that those who need more earn more. The boys do everything at college, from operating a neostyle to selling silk stockings, from being head monitor to being pin boy in Memorial Hall, from milking cows to ringing the chapel bell—and the girls do everything the boys do. One Sophomore, who has earned his entire expenses and put money in the bank this year, combines waiting on table in a private family with reporting for a string of newspapers. The forty dollars he earned in prize speaking exactly balanced the forty dollars he earned washing test tubes in the Vet. Lab.

Professor Henry S. Canby of Yale:

Education does not mean information. It is not what you know but what you can do with what you know that makes education. Intelligence is not education; intelligence uses education. The educated man has learned to relate one field of knowledge to another; he has learned to interpret facts and subdue them to his own uses.

CLUBS AND CLASSES

Commencement

Requests are being made by classes for headquarters in Memorial Hall during Commencement. Such quarters are limited. The early bird catches the worm.

Pittsfield

A get-to-gether of seven alumni was recently held in Pittsfield.

Fairfield County, Conn.

President Butterfield will address the M. A. C. Alumni Association of Fairfield County on the evening of May 22. The "Grads" of Fairfield County expect to have a real reunion on that day at the home of George A. Drew, '97, Conyers Manor, Greenwich, Conn.

Alumni Directory

A list of alumni clubs will be printed in the alumni directory. Any club not listed at the alumni office should send in their name and a list of officers at once.

Washington

Eleven members and one guest attended the Washington M. A. C. Club monthly luncheon at the Ebbitt House, March 8. Those in attendance were: C. A. Bowman, '81; Dr. Edwin W. Allen, '85; Major Arthur Monahan, '00; H. L. Knight, '02; Dr. E. A. Back, '04; James A. Hyslop, '08; S. Mendum, '10; J. Folsom, '10; H. C. Brewer, '13; H. J. Clay, '14; Perez Simmons, '16; and J. R. Smalley of Purdue University.

The next meeting will be held at the Ebbitt, April 5.

Boston

The annual banquet of the M. A. C. Alumni Club of Boston was held Wednesday, February 21, at seven P. M. in the Parker House. Dr. Arthur W. Gilbert '04 acted as toastmaster in the absence of H. J. Wheeler '83, who was unavoidably detained on his way from New York to Boston. About seventy-five alumni were present.

Prof. Curry S. Hicks was the first of four speakers. He outlined briefly the recent football, hockey, track and basketball seasons, and described the plans for the new physical education building which the board of trustees has recently passed upon.

Senator John M. Gibbs spoke on the vital need of patriotism on the part of every individual today.

Dr. George F. Zook of the U. S. Department of Education and director for the Special Commission for an Investigation Relative to Technical and Higher Education in the Commonwealth of Massachusetts, was a guest. He spoke on his experiences with higher education throughout the country, and paid tribute to the Mass. Agricultural College "as being without exaggeration one of the foremost land-grant colleges in the country."

President Butterfield discussed the past year in its relation to the numerous activities of the college, and their progress during that time. He considered among other things the university movement, the revised course of study in the freshman class, and new buildings.

A nominating committee was appointed early in the evening, and after the speeches reported the following elections:

W. V. Hayden '13, President; Atherton Clark '77, A. W. Gilbert '04, H. J. Wheeler '83, E. C. Edwards '14, S. S. Crossman '09, G. B. Willard '92, Vice-Presidents; Paul Faxon '19, Secretary; Newton Shultis '96, Treasurer; J. E. Goldthwait '85, J. G. Hutchinson '14, L. W. Ross '17, H. W. Bishop '16, A. N. Swain '05, Directors.

BUDGET FOR THE YEAR REVISED

THE SOURCE OF FUNDS

The Associate Alumni at the commencement meeting adopted a minimum budget of $2385. At the December meeting of the executive committee this budget was raised to $2800 in order to provide funds for the printing of the alumni directory, the Committee on Student Activities, and clerical help.

A study of the finances of the Association shows that of the $765 that must still be collected in order to meet this budget $400 should be received from those alumni who have paid their dues up to June, 1922. The balance, $365, must be secured from the 450 alumni more than one year in arrears, the 450 graduates and 1200 former students who have never joined the Association, or in the form of sustaining memberships.

The goal set last June was for 100 sustaining members. To date 49 have been secured and additional donations amounting to $28 have been received.

The revised budget is as follows:

General office expenses	$350.00
Salary of Assistant Secretary	679.16
Clerical help	200.00
Reunions:	
1. World Aggie Night	37.86
2. Commencement	150.00
Special Projects:	
1. Asso. of Alumni Sec'ys	10.00
2. Office equipment	200.00
3. Alumni directory	275.00
4. Student Activities Com.	50.00
Bulletin:	
1. Printing & paper	675.00
2. Postage	90.00
3. Engraving	40.00
Miscellaneous	42.98
	$2800.00

Baseball Schedule. 1923

Apr. 20, Fri, Wesleyan at Middletown
26, Thurs, Syracuse at home
28, Sat, Harvard at Cambridge
May 2, Wed, Dartmouth at Hanover
5, Sat, Williams at home
9, Wed, Amherst at Pratt Field
12, Sat, W. P. I. at Worcester
15, Tues, Colby at home
19, Sat, Trinity at home
22, Tues, Bates at home
26, Amherst at home
30, Wed, Wesleyan at home
June 2, Sat, Williams at Williamst'n
9, Sat, Trinity at home, 10 A.M.
Trinity at Hartf'd, 4 P.M.

'22—Frederick Calhoun is with the Mutual Life Insurance Company of New York.

Announcements descriptive of the the boys' camp to be conducted by the college during the month of July and application blanks may be secured from the Field Secretary.

CAMPUS NOTES

Basketball

In the final game of the season M. A. C. defeated Tufts, 23 to 11.

Varsity Debating

Massachusetts A. C. will debate with Michigan A. C. on the twentieth of April, at Amherst.

Collegian Turns Funny

The final number of the Collegian under the 1922-23 board has been issued in the form of a humorous paper.

Freshmen-Sophomores

The freshman-sophomore debate resulted in a unanimous decision for the sophomores. The freshmen won the numeral hockey game, 4 to 3. The first leg of the rifle match went to the sophomore class, 226 to 219.

Interclass Basketball

The finish of the interclass basketball series found the sophomore class with a clean slate, having defeated all their opponents.

High School Day

The program for the fourteenth annual High School Day, to be held May 5, 1923, is as follows:

9-00 A. M.—Interscholastic stock judging
Inspection of the campus
11-00 A. M.—Cavalry gymkana
12-15 P. M.—Complimentary dinner
12-45 P. M.—Inspection of the campus
3-00 P. M.—Varsity baseball game with Williams
7-00 P. M.—Address of welcome
Musical Club concert
Roister Doister one act play
9-00 P. M.—Fraternity receptions

Interclass Track

The Junior class won the interclass indoor track meet and first place in the interclass relay series. The score stands 1924—46, 1923—27, 1926—22, two year 3, 1925—1.

Dr. Eugene Davenport, formerly dean of agriculture at the University of Illinois, recently stated at a farmers' week at the Michigan Agricultural College, that with the possible exception of a similar college in Massachusetts, it (Michigan A. C.) had done more to advance agriculture in this country than any other six institutions of its kind.

CLASS NOTES

'22—The engagement of Roger M. Acheson to Miss Dorothy Towle, graduate student 1921-22, has been announced.

'22—Francis E. Hooper is a market reporter for the Massachusetts Department of Agriculture.

Graduate-Major T. J. Howard, who has recently become a member of the Associate Alumni of M. A. C. writes that since leaving "Aggie" he has been elected to the Chair of Director of Rural Life Work in Gammon Theological Seminary and has charge of all Rural Extension work among Negroes in the South, under the Board of Home Missions and Church Extension at Philadelphia. In recognition of his success, Philander Smith College conferred upon him the degree of Doctor of Divinity at its commencement in June.

PUBLICATIONS

'81—Dr. J. L. Hills, dean and director of the Vermont State Agricultural College and Agricultural Experiment Station, is the senior author of bulletin No. 225 from his experiment station: "The Protein Requirements of Dairy Cows"; and the author of a second bulletin, No. 226, on "The Maintenance Requirements of Dairy Cattle." Both of these are summarized in a popular way in bulletin No. 229, printed under the title, "The Protein and the Maintenance Requirements of Dairy Cattle," also under the authorship of Dean Hills. This work is monumental in its scope, and represents the results of research under way since 1906.

'90—Dr. C. H. Jones is part author with Dean Hills and others of two bulletins of the Vermont Station, the first No. 228 being the report of control analytical work, and the second on "The Protein Requirements of Dairy Cows", above mentioned.

'04—"Weevils in Beans and Peas", published as Farmers' Bulletin No. 1275 of the United States Department of Agriculture, is under the authorship of Dr. E. A. Back. The bulletin is illustrated by a number of photographic illustrations, showing the work of the weevils and by diagramatic and other drawings illustrative of its life history.

'04—Sidney B. Haskell is author of "Farm Fertility", which is part of an agricultural series published by Harper's Publishing Co.

'06—S. S. Rogers is part author of a small pamphlet "The Successful Marketing of California Vegetables", put out as Special Publication No. 32, California State Department of Agriculture.

'09—Dr. D. J. Caffrey is senior author of the most recent publication on the European Corn Borer, this being published as Farmers' Bulletin No. 1294, of the United States Department of Agriculture, and under the title "The European Corn Borer and Its Control." The bulletin is thoroughly illustrated and indicative of the great damage which may come from this pest in case it is not controlled.

'13—Insecticides and Fungicides; Spraying and Dusting", of which Professor O. G. Anderson is joint author, is an illustrated laboratory manual with supplementary text material published by John Wiley & Sons of New York.

'14—A. S. Thurston, floriculturist at the University of Maryland, has recently published a revised and enlarged bulletin on "Garden Flowers."

Faculty—Dr. J. W. Lentz is author of "A Study in the Control of Poultry Diseases" in *Poultry Science* for December and January.

Dr. P. J. Anderson of the department of botany of the Massachusetts experiment station, in co-operation with Dr. D. H. Chapman, is author of the Bulletin No. 214 from the station, "Tobacco Wildfire in 1922." The same bulletin is also being published from the Conn. Station under the authorship of Dr. Chapman. This reports research work on control of a new fungus disease, Tobacco Wildfire.

Webster S. Krout of the department of botany is author of bulletin No. 213 from the Massachusetts Station on "Control of Apple Scab." This reports the investigation on work carried on in the eastern fruit area of the state, at the request of the apple growers themselves.

Dr. George E. Gage, head of the department of veterinary science, reports operations in the work of "Poultry Disease Elimination, with "Special Reference to White Diarrhea" in Control Bulletin No. 22, Massachusetts Experiment Station.

CLASS NOTES

w'74—Harry M. Doubleday, formerly American consular agent, now retired, is living in Montigo Bay, Jamaica.

'76—George A. Parker, superintendent of parks in Hartford, Conn., has resigned from the state park commission on which he has served for four years.

'78—Dr. John H. Washburn is studying methods of education at Columbia University.

'91—Ex-Senator and Mrs. John B. Hull are on a Mediterranean cruise.

'01—P. C. Brooks has been transferred from East St. Louis, Ill., to New York City. He is still with the General Chemical Co.

'01—Wallace R. Pierson has been elected to the upper house of the Connecticut state legislature.

'04—A. W. Gilbert, Mass. state commissioner of agriculture, is actively supporting a campaign to rid fairs of obnoxious side shows.

'05—Francis A. Bartlett, president of the F. A. Bartlett Tree Expert Co., spent a few days in Washington recently consulting members of the department of Agriculture concerning matters of interest in his work. He reports meeting a number of M. A. C. men in the department.

w'06—Allan D. Farrar has been promoted to branch manager of the Fuller Brush Co., and is in charge of the southern New Jersey district.

'08—E. D. Philbrick has just finished building his new home in Catonsville, Md.

'09—W. D. Barlow has a new home in Roland Park, Baltimore, Md.

'09—S. S. Crossman sailed March 3 to visit several countries in Europe to investigate the natural control of the gypsy moth. He will return about the last of August.

'12—R. R. Parker is now engaged in United States public health work, particularly in study and control work on the Rocky Mountain spotted fever. He has also recently engaged in small fruit and poultry farming as a side line.

'12—Emory S. Wilbur is now engaged in farming in Lempster, N. H.

'12—Harry A. Noyes, research chemist and bacteriologist with the New Rochelle research laboratories, is chairman of the agricultural and food division of the American Chemical Society. Mr. Noyes is listed in *Who's Who in America*.

'14—Leland H. Taylor is an instructor in zoology in the West Virginia University.

'14—Bennet A. Porter, entomologist with the Bureau of Entomology, U. S. D. A., has just been transferred to Vincenes, Ind., to establish a fruit insect laboratory.

'14—Carl R. Frye is a landscape architect in Columbus, Ohio.

'15—Herman C. Walker was re-elected to the West Springfield Board of selectmen at the annual elections last month.

'15—Chester P. Spofford is a teacher of agriculture in the John P. Holland Vocational School in East Walpole, Mass. E. J. Burke, 10, J. S. Carver '13, and W. I. Goodwin '18 are all teaching in the same school under the U. S. Veteran's Bureau.

Special '15—John C. Campbell is now established as a landscape architect in Stamford, Conn.

'15—Verne L. Severance is assistant foreman of the department of factory of the Simonds Saw and Steel Co., Fitchburg.

w'17—The engagement of L. Leland Dudley, superintendent of schools, Johnston, R. I., to Miss Virginia Bartlett of Springfield, Mass., has been announced.

'17—G. B. Fisher is now connected with the Traffic Adjustment Co., with headquarters at Baltimore.

w'17—Kenneth C. Bevan is engaged in rubber ball manufacturing in New Haven, Conn.

w'17—Homer W. Nims is manager of the Grisawaler Milling Co., Mt. Hermon, Mass.

'18—George C. Howe has left the Stanhope Fruit Farm to take over the management of the Shenandoah Orchards, Inc., Fishersville, Va.

'18—George K. Babbitt is herdsman on the Bonnie Brook Farm, So. Sudbury.

'18—Walter Hurlburt is a member of the executive committee of the Berkshire County Farm Bureau.

'19—C. D. Blanchard has been turning out a winning basketball team this winter at the Massee School, Stamford, Conn., where he is coach of athletics.

'19—Ambrose C. Faneuf is a chemist in Chaparra, Cuba.

'19—Willard K. French leaves the college April 1 to teach at Worcester, and as a side line to conduct a farm in Sterling.

'21—Robert Gould is making good as a cow tester with the Northern Berkshire Cow Test Association.

'21—Richard Waite is assistant county agent in Berkshire county. One of his duties is the publication of the *Berkshire County Farmers' Bulletin*.

'22—Hervey F. Law is a landscape architect with Fletcher Steele, Boston.

'22—George Baker has resigned his position as agricultural instructor in the West Springfield High School and has accepted a position of assistant chemist at the Delaware Experiment Station. He will also work for an advanced degree in chemistry.

'22—Herbert L. Collins is to coach varsity baseball at M. A. C. this spring.

'22—The engagement of Donald Lacroix to Miss Edith Robinson of Amherst has been announced.

YOU'LL WANT TO BE HERE

Remember commencement, June 9 to 11. Have you jotted it down on your calendar yet? Now's the time. We hope the snow will be gone by then—if not it will be a most unusual commencement. Either way it will be worth while attending. Your pocketbook may not get fattened, but your heart should be warmed with the renewing of college friendships while spending a few days at your alma mater. Remember the date, June 9 to 11. How about your class reunion, have you got that started yet?

BIRTHS

'13—'22—A son, Harold M., Jr., to Harold M. and Jane Pollard Gore, March 7, 1923.

'15—A daughter, Rosalie, to Harlow L. and Margaret Gaskill Pendleton, February 22, 1923.

w'19—A son, Clifton Herbert, to Mr. and Mrs. Elmer J. Morton, February 11, 1923.

MARRIAGES

'22—Reginald N. Holman to Evelyn Comins Hubbard of Sunderland, March 10, 1923.

HAVE YOU?

Have you paid your Memorial Building pledge yet? The committee pays over $125 interest each month because of unpaid pledges. This money could be far better used to purchase furniture for Memorial Hall. "Procrastination," it is said, "is a thief of time"; it is also a waster of money.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, April 24, 1923 No. 9

FORTY YEARS SERVICE COMPLETED

"Doc" Connors Honored

PRESENTED TOKENS OF ESTEEM

On Saturday, March 31, members of the faculty, friends, and alumni gathered in French Hall to do honor to "Doc" or "Mike" Connor on his completion of forty years of service at "Aggie." Although the plans for the party, originated and developed by Prof. F. A. Waugh, had been under way for more than a month, the event came as a complete surprise to "Doc", who was brought into the room of assembled friends under the pretense of arranging decorations for a party.

Prof. F. A. Waugh presided and carried out his duties as can be done by Prof. F. A. Waugh only. He stated the purpose of the meeting and told of "Doc's" long and enviable record. After congratulating "Doc" he read a letter of congratulation from His Excellency Chaning H. Cox, Governor of the Commonwealth of Massachusetts.

Professor Waugh also read a letter of congratulation from President Butterfield, who was unavoidably absent. He presented "Doc" with a sheaf of letters from alumni, congratulating him on the long period of faithful service and wishing him many years of continued health.

Charles A. Gleason, Vice-President of the Corporation, was introduced by Professor Waugh and spoke in behalf of the Trustees. He praised highly the record which has been set by "Doc" in forty years of consecutive service to his credit. He also mentioned the changes in administration which have come about since "Mike" began work at the college as a boy of sixteen. He told how "Mike" had worked under Presidents Stockbridge, Greenough, Goodell, Brooks, and Butterfield, and had seen the college buildings go up and the students come and go for many college generations. In closing Mr. Gleason presented "Doc" with a gold watch, suitably engraved, as a token of the respect in which "Doc" is held by his friends.

Clark L. Thayer, '13, expressed the appreciation of the alumni, emphasizing the fact that "Doc's" forty years of service had been forty years of friendship. He read several congratulatory letters from among the many received from the alumni. It was his duty and pleasure to present "Doc" with a bicycle to replace one that has seen service for almost as many years as "Doc" himself.

In closing the meeting Professor Waugh, in a few appropriate remarks, presented "Doc" with a bank book which represented a deposit of $233.10 to his credit, the amount remaining from contributions received from faculty, friends, and alumni after the purchase of the watch and bicycle. This amount has been increased by additional contributions and Professor Waugh is willing and glad to receive donations from any who may wish to help swell the fund.

Before the party broke up, everyone fell in line to shake "Doc's" hand and to congratulate him.

COMMENCEMENT PROGRAM

JUNE 8 TO 11, 1923

Friday, June 8

2-30 P. M. Freshman - Sophomore Baseball Game
6-30 P. M. Interclass Sing, steps of Stockbridge Hall
8-00 P. M. Dramatics, Bowker Auditorium

Saturday, June 9, Alumni Day

9-15 A. M. Alumni Parade — Forms at Memorial Hall
10-00 A. M. Varsity Baseball Game with Trinity
12-00 M. Alumni-Senior Dinner in Draper Hall
1-30 P. M. Alumni Meeting in Memorial Hall
3-30 P. M. Alumni Baseball Game—Odds vs. Evens
6-00 P. M. Academics and Varsity Club Suppers
7-00 P. M. Flint Oratorical Contest
8-15 P. M. Alumni Singing on Stockbridge Hall steps
9-00 P. M. Fraternity Receptions

Sunday, June 10

3-30 P. M. Baccalaureate Address, Kenyon L. Butterfield, Bowker Auditorium. Subject: "The New Pioneering."
4-45 P. M. President's Reception. Rhododendron Garden. (If stormy, in Memorial Hall)
7-00 P. M. Recital, Senior Quintet and other Musical Organizations, Bowker Auditorium

Monday, June 11

9-00 A. M. Cavalry Drill
10-30 A. M. Senior Class Day Exercises.
2-00 P. M. Commencement Exercises, Bowker Auditorium, Address by Hon. Woodbridge H. Ferris. Subject: "Sanity in Education"
8-30 P. M. Sophomore - Senior Hop, Memorial Hall

Note—Class reunions will be held by arrangement of the individual classes.

EXECUTIVE COMMITTEE ACTION

At the March meeting of the Executive Committee the following action was taken:

1. It was decided to organize the collection of Memorial Building pledges in several alumni centers.

2. It was voted to authorize the Mills Portrait Committee to proceed with the collection of funds for the portrait.

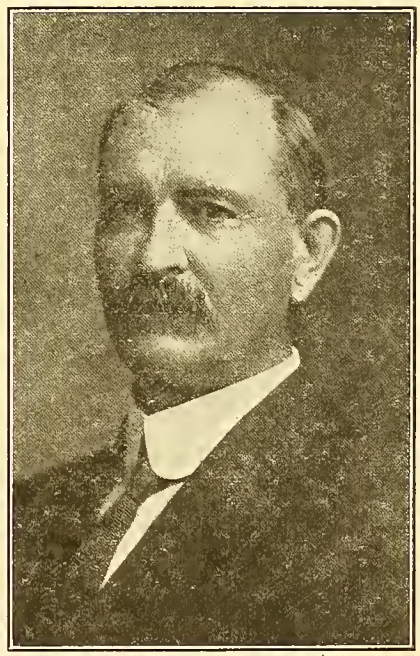
3. Professor C. S. Plumb, '82, was appointed official representative of the Associate Alumni to the Annual Conference of the Association of Alumni Secretaries in Cleveland, Ohio.

PROFESSOR WILLIAM R. HART RETIRES

March 31, 1923

AN APPRECIATION

Even if the members of the faculty of M. A. C. do, in general, approve of the ruling which brings them under the jurisdiction of the State Retirement Board, it seems to them, just now, a bit unfortunate that the first one of their number to reach the compulsory retirement age of 70 should



be their good friend and fellow worker, Professor William R. Hart. Progressive, active, and with a keen sense of humor he has always been ready to join his fellows in any college enterprise, whether it was an improved course of study, a Mettawampe trek, or building a new trail in the college forest on Mt. Toby.

Professor Hart has always been a pioneer. As a two-year-old child, his parents took him by boat down the Ohio and up the Mississippi, and then out on to the raw Iowa prairie to establish a home; as a young man he went to the western extremity of the railroad and then out into the country to found a high school; and as a mature educator, President Butterfield called him back to the old Bay State to become the first professor of agricultural education in the United States.

Coming to M. A. C. a year after President Butterfield was inaugurated, he has for sixteen years been the head of the Department of Agricultural Education, and has exerted a wise and important influence upon the teaching of agriculture in the secondary schools of the state, both by direct advice and counsel and indirectly through his students. His work in starting the boys' and girls' club work is too well known to need anything more than mention

Continued on page 2

THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN
Member of The Alumni Magazines Associated

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OBITUARIES

SAMUEL TAYLOR MAYNARD '72

In the death of Professor Maynard, M. A. C. has lost another of its pioneer builders. Graduating with the class of '72, he was a pupil, associate, intimate friend and follower of President Clark. For 30 years, during the formative period of the college, he was responsible for the college grounds, and the beautiful setting of M. A. C. will be a perpetual memorial to his worth and work.

From graduation to '79, he was Associate Professor of Horticulture; from '79 to '95, Professor of Botany, Horticulture, and Instructor in Microscopy and Drawing; from '95 to '04, Professor of Horticulture, while during the whole of the latter period he was also horticulturist of the Hatch Experiment Station. At the time our class was in college, he was teaching all of the botany (analytical, structural and economic) microscopy, floriculture, landscape gardening, nursery practice, forestry, market gardening, pomology and drawing, and in addition was directing the experimental work in horticulture and supervising the college grounds. He loved nature, and his text book on "Landscape Gardening" was accepted as authoritative. He published many reports on experimental work in horticulture, some of his most important being "Greenhouse Heating", "Fertilizer Under Glass", "Small Fruits", "Control of Peach Yellows", "Winter Killing of Fruit Buds", "Treatment of Flowering Shrubs", "Greenhouse Construction and Management", and his well-known book entitled "Practical Fruit Growing." He was an indomitable worker, as the above recital illustrates, but his versatility was even greater, as he was a skilled worker in wood and iron and often took his recreation in producing a fine piece of furniture, new laboratory apparatus, or a horticultural machine.

He was a man of decided opinions and high aspirations, unyielding in his adherence to his principles, and he could never tolerate indolence or lax morals in others. He was interested in public matters, was a member of the school board and a staunch supporter of the Unitarian Church. The greatest memorial to Professor Maynard will be the affect he had in molding the lives of those who worked under him and the following tribute from G. A. Drew but expresses what would be offered by hosts of his former students:

"As I look back over my college course and subsequent five years of practical training under his direction, I realize how much I owe to his guidance and instruction. For it was in the field of practical horticulture that Professor Maynard most impressed me with his thorough knowledge of intimate details of every phase of horticultural practice. He was a first-class florist, landscape gardener, nurseryman, market gardener, experiment station worker and fruit grower, all in one. With him, theory and practice went hand in hand. He was able not only to instruct but to execute.

With his early struggles and untiring efforts to build up his department and beautify the college grounds, you are as familiar as I. He was not dismayed with the meager equipment and limited funds at his disposal, but made up for these deficiencies with his unbounded energy and unwearied efforts."

He loved M. A. C., he gave to her all that he had to give, and there are few who could give as much.

J. H. Putnam, '94.

PROFESSOR WILLIAM R. HART

Continued from page 1

here. He enjoys working with young people because he understands better than most teachers the psychology and mental growth of youth.

In college work, as in secondary work, Professor Hart believes most thoroughly in the incentive of interest, and also that under this incentive the student not only accomplishes more, but receives better training and education while doing it. This is the logical reason for his theory that the teaching of agriculture should begin very early in our four-year course, and thus, by showing the need, give the student a real incentive for a broader as well as a more intensive study of the sciences, as well as the humanities, in the later years of his course.

With the additional time at his disposal, Professor Hart is hoping soon to finish the book on agricultural education upon which he has been working. Giving as it undoubtedly will his philosophy of education, it cannot fail to be of interest and value to educators and students of agriculture as well as to students of education everywhere.

J. A. Foord.

At a dinner held on March 31 in honor of Professor Hart he was presented with a sheaf of letters from alumni who had studied under him while at M. A. C. Among those who have taken courses under Professor Hart are 20 teachers of agriculture in Massachusetts, 17 members of the faculty at M. A. C., 10 extension workers in Massachusetts, and 48 other teachers in the state, or a total of 95. In other parts of the country and elsewhere 82 other alumni are putting into practice the training received under Professor Hart.

'88—H. C. Bliss left home on March 25 for a business trip in the west. He will return May 14 after having made all the large cities east of Denver, north of Kansas City, and south of Duluth.

'05—The F. A. Bartlett Tree Expert Co., of which F. A. Bartlett is president, had one of the most effective exhibits on insects and tree surgery work at the recent flower show held at Grand Central Palace, New York City.

'08—The engagement of Dr. William S. Regan and Miss Winefride Anne Gannon has been announced.

'17—Wayne M. Flagg has been appointed Instructor of Science and Director of Athletics at the Westfield High School.

ON DR. PRICHETT'S REPORT

APPLIED TO M. A. C.

The pleasure and inspiration I derived from reading the abstract from Dr. Prichett's Report which appeared in the last ALUMNI BULLETIN has made me feel that the editor should be congratulated for introduucing a subject of such vital interest to the Alumni, and for presenting such a fundamental discussion of the topic as a stimulant for some purposeful thinking on the subject among the members of the Alumni body. I think that the recent articles by Dr. Torrey should open the way for more discussions like them.

The outline of what any education should include, as laid down by the report, seems to me to be an educational Magna Charta for either high school or college. I am assuming that Dr. Prichett would not exclude modern languages from the curriculum, because he especially emphasizes the importance of being able to speak English with "precision and discrimination." My experience and observation have convinced me that enforced, careful, precise translation of modern languages into English is an excellent training for the use of precise and discriminating diction in our writing and conversation. The work of translation in class also trains us in getting the exact meaning of what we are reading. Most of us feel the need of this in our further study, or in our business correspondence after we leave college.

Without touching much in detail upon the other subjects mentioned in the report, I think that it might be taken, as a whole, as a good basis on which to plan the four-year course at M. A. C. President Butterfield has often pointed out that, while a thorough course in agriculture is the phase of education in which the College is expected to specialize, yet the students of the College are not expected merely to show the value of their training in a financial success, but to also be leaders in good citizenship. A knowledge of American history is insisted upon when a foreigner seeks to become a naturalized citizen of the country —why would not a more intensive study of history in general, or of American history in particular, than we gain in high school, be of benefit to those who are going to be leaders in the communities in which they are to make their home?

Lest we overemphasize the need of studies to make our students better voters, and lay ourselves open, perhaps, to the criticism in the report of American schools being too diverse in their requirements, by urging the introduction of a new subject into the curriculum, let us turn our attention to some of the subjects already given at the College. I have in mind science and mathematics, in particular. I think that courses which seek to teach the applications rather than the fundamentals of these two subjects which can be used in application, are not so productive of "problem-solvers" as the courses in the fundamentals themselves would be. The application of the subjects given the first two years can be safely left, I believe, to the work in the Majors during the last two years, and to practical life after graduation. The time during the first two years should be spent in acquiring a thorough training in the fundamental, pure sciences and mathematics.

F. E. Knight, '19.

'11—Edgar M. Brown has announced an extension of his landscape service. New offices will be opened in Hartford, Conn. While Mr. Brown's card calls the business "Landscape Gardening and Forestry" he is engaged as well in all lines of design and maintenance.

CLUBS AND CLASSES

FAIRFIELD COUNTY

The second annual meeting of the Fairfield (Conn.) County M. A. C. Alumni Association will be held on Tuesday afternoon and evening, May 22, at the home of the president, George A. Drew, '97, Conyers Manor, Greenwich, Conn. President Butterfield will be the guest of the club at this meeting and get-together.

1873

Commencement plans are under way. The secretary of the class has asked for headquarters in Memorial Hall and has secured room 6.

1898

The secretary of '98 reports that nine of the ten living graduates of the class will be on the campus for commencement this June. Room 9, Memorial Hall, has been assigned the class for headquarters.

1913

Class headquarters for commencement, room 8, Memorial Hall. Looks like a grand reunion is under way.

1918

And still they come! 'Eighteen has asked for room 5 in Memorial Hall for headquarters. They got it.

1920

Will be here, too, for commencement. Class headquarters will be in room 7, Memorial Hall.

PUBLICATIONS

George A. Drew, '97, Manager of the Estate of E. C. Converse, Greenwich, Connecticut, writes on "Reclaiming Old Apple Orchards" in the spring number of *Tree Talk*. This is a magazine published in Stamford, Connecticut, and numbers among its contributors several other "Aggie" men. A. W. Dodge, Jr., '12, writes on "The Oldest of the Living", this being a description of a number of famous old trees growing in different parts of the country. G. M. Codding, '09, is likewise a contributor under the title "Feeding Trees"; while the back cover page carries an advertisement of The Bartlett Associates, which is headed up by F. A. Bartlett, '05.

w'03—"Selby Abbey and the Washingtons" is the title of an illustrated article in *Scribner's Magazine* for February, 1923, by C. A. Tinker.

'10—Harry R. Francis, a member of the Committee on State Park Plan for New York, has recently issued a comprehensive report on the development of the parks of that state.

'12—Volume 2, Part 4, No. 12, of the *Bulletin of the National Research Council*, printed under the title "Co-operative Experiments upon the Protein Requirements for the Growth of Cattle", contains a report of work done at the Massachusetts Experiment Station by Mr. C. L. Beals, '12, formerly of the Station, under the general direction of Dr. J. B. Lindsey, '83.

'15—Lester W. Tarr, Chemist of the Delaware Agricultural Experiment Station, is the author of *Technical Bulletin No. 2* from that Station on "Fruit Jellies", with special reference to the role of acids.

'91—Walter C. Paige, reports President Butterfield, who met him on a recent trip to Texas, is much thought of in Houston, where he has served for eight years as general secretary of the Y. M. C. A. The city association has a membership of 2500 men.

ADVANCED DEGREES TAKEN BY MEN OF THE MASSACHUSETTS AGRICULTURAL COLLEGE

BY FREDERICK TUCKERMAN, '78

The statistical data in the following tables, showing advanced and professional degrees received by graduate and non-graduate members of the College, are compiled from the forthcoming *Alumni Directory*.

The total enrolment of alumni—graduate and non-graduate—is, according to the summary there given, 3707. Bachelors of science number 2043. Of these, 1820 are supposed to be living, and 223 are reported as deceased. Of the 1664 non-graduate former students, 1423 are supposed to be living, and 241 are presumably dead. The foregoing summary does not include those who have pursued the two-year course or any of the short courses, nor holders of advanced degrees not otherwise graduates of the College, nor the so-called specials. In all, seventy persons have been admitted to advanced degrees in the Massachusetts Agricultural College, forty-three being bachelors of science of the same. By a custom now in disuse, but which prevailed from 1876 to 1911, 533 graduates of the College received also the degree of bachelor of science from Boston University. It is unnecessary to add that these, as well as a dozen or more honorary degrees, are not included in our tabulation.

The first table relates to graduate alumni, the second to non-graduate alumni, and in both are listed the institutions, as far as practicable, and the degrees conferred by each. Not seldom more than one degree has been taken by the same person. Crowding and condensing both were unavoidable, partly because of the number of institutions represented—in all some ninety—partly because of the multiplicity and variety of degrees and the lack of uniformity in the abbreviations used to express them. Among the less familiar ones, including some of recent origin, are those in business administration (B. B. A.), in education (Ed. M.), in letters (B. L.), and in pedagogy (Pd. B.). Degrees in dental and veterinary surgery are not omitted, but are grouped under dental and veterinary medicine respectively. That Harvard University should head the lists is not surprising; yet her lead in both groups is noteworthy and impressive, and may possibly be taken as showing the trend of New England college men generally.

GRADUATE ALUMNI

Institutions	B. A.	B. Sc.	B. L.	Ph. B.	LL. B.	B. D.	M. A.	M. Sc.	M. L.	LL. M.	Ed. M.	Pd. M.	M. A. S.	M. L. A.	M. B. A.	M. F.	C. E.	V. M. D.	D. M. D.	M. D.	Agr. D.	Sc. D.	Ph. D.	Jur. D.	Total
Harvard	2						5	5			1			5	3	1		3	2	18		2	4		51
Mass. Agr.Col.								31						1									14		46
Columbia				1	2		7													6			2		18
Cornell			1		1			6	1				2				1	1		1		1	2		17
Yale				1	2			2								5							6	1	17
Göttingen																							9		9
Univ. Penn.							1											3		2			3		9
Boston Univ.					6					1										1					8
McGill								1										4				1			6
Univ. Illinois							1	3															1		5
Jeff. Med. Col.								1												3			1		5
Penn. State								5																	5
Am. Vet. Col.																		5							5
Rutgers								1														1	2		4
N. Y. Univ.					1							1								2					4
G. Wash. Univ.					1			1										1		1					4
Iowa State Col.								3																	3
Univ. Mich.					1			1																1	3
Albany M. Col.																				2					2
California								1															1		2
Dartmouth								2																	2
Johns Hopkins																							2		2
Ohio St. Univ.								1															1		2
Tufts																			1	1					2
Brown																							1		1
Halle																							1		1
Heidelberg																							1		1
Leipzig																							1		1
Syracuse																				1					1
Tokyo																					1				1
Wash. Un.,Mo.																							1		1
Wooster																							1		1
39 other	2	1	1		2	5	5	15		2								2	3	4		2			44
Total	4	1	2	2	16	5	19	79	1	3	1	1	2	6	3	6	1	19	6	42	1	7	54	2	283

(Table of Non-Graduates on page 4)

CLASS NOTES

'11—H. J. Baker, Director of the Extension Service at the Connecticut Agricultural College, formerly on the staff of the Massachusetts Agricultural College, and at the present time president of the Associate Alumni, has accepted an appointment as Director of the Extension Service for the New Jersey Agricultural College, taking up his new duties about June 1.

Director Baker was one of the earlier extension directors of the country, and because of this was compelled to break a practically new path in this important line of work. He has developed during his term of service in Connecticut an exceedingly efficient organization. His many New England friends regret that he is being lost to them as a co-worker, but congratulate him on the increased opportunities in the State of New Jersey.

NON-GRADUATE ALUMNI

(*Continued from page 3*)

Institutions	B. A.	B. Sc.	Ph. B.	LL. B.	B. D.	B. A. S.	B. B. A.	B. F.	M. A.	M. Sc.	M. B. A.	M. F.	C. E.	M. E.	V. M. D.	D. M. D.	M. D.	Ph. D.	Jur. D.	Grad.	Total
Harvard	4	8		1		1			1		1	1			2	1	8	1			29
Mass. Inst. Tech.		13																			13
Amherst	4	4							4												12
Dartmouth		8								1			2				1				12
Yale	1		4	2					1			1									9
Tufts	1	2														1	4				8
Columbia	1	1		1					1					1			2				7
Cornell		5				1				1											7
Boston Univ.	1			2	1		1										1				6
Bowdoin	3	1															1				5
Univ. Maine		4																			4
Univ. Vermont																	4				4
Brown			3																		3
N. Y. Univ.		1													1		1				3
Univ. Mich.	1			1												1					3
Carnegie		2																			2
Clark	2																				2
Rensselaer		1											1								2
Syracuse		2																			2
Univ. Illinois		2																			2
U. S. Mil. Acad.																				2	2
Göttingen																		1			1
Univ. Penn.																	1				1
U. S. Naval Acad.																				1	1
Vienna																			1		1
27 other	2	11						1		1			1	1	5	2	7				31
Total	20	65	7	7	1	2	1	1	7	3	1	2	4	2	8	5	30	2	1	3	172

CAMPUS NOTES

FACULTY CHANGES

Professor W. S. Welles, for the past four years a member of the Department of Agricultural Education, was appointed head of the department upon Professor Hart's retirement. Professor Welles received his bachelor of science degree from the University of Illinois. Before coming to M. A. C. he had been a high school teacher and principal for five years, school superintendent for five years, a teacher of biology in a normal school for five years, and for seven years at the normal school a trainer of teachers of agriculture. Professor Welles had also served as state supervisor of vocational agriculture in Wisconsin during his last two years with the normal school.

Professor Harry N. Glick, A. B. Bridgewater College, A. M. Northwestern University, and now a candidate for the Ph. D. degree at the School of Education, University of Illinois, has come to M. A. C. as Professor of Agricultural Education. Professor Glick has had experience as a high school teacher of history, economics, and science and principal, and as a college teacher of zoology.

Charles H. Gould, '16, has resigned his position at the college as assistant professor of pomology to conduct a fruit farm of his own at Hackawana.

Ralph A. Van Meter, formerly Extension Professor of Pomology, has resigned from the Extension Service to accept a position as Professor of Pomology with the resident department. Fred E. Cole, Jr., '20, has been secured as Extension Assistant Professor of Pomology to take Professor Van Meter's place in the Extension Service.

Morton H. Cassidy, '20, has joined the college staff as Assistant Professor of Bee Keeping.

CROSS COUNTRY SCHEDULE

October	20	Worcester P. I. at M. A. C.
	27	Wesleyan at Middletown
November	3	Williams at Williamstown
	9	Amherst at M. A. C.
	17	New Englands at Boston

SPRING TRACK SCHEDULE

April	28	Norwich at M. A. C.
May	5	Connecticut A. C. at Storrs.
	12	Eastern Intercollegiates at Springfield
	18-19	New Englands at Boston
	21 or 26	Triangular meet with New Hampshire and Vermont at Durham.

SPRING FOOTBALL

About 35 to 40 students are reporting three days a week for spring football practice.

TRIANGULAR DEBATE

Question:—Resolved that the United States should recognize the present Soviet government of Russia.

M. A. C. negative defeated C. A. C. affirmative.

M. A. C. affirmative lost to R. I. negative.

C. A. C. negative defeated R. I. affirmative.

ACADEMICS CUP

The Academic Activities Board has voted to award a silver loving cup each year to the student most valuable to Academic Activities.

DEBATING SOCIETY

Steps have been taken by students interested in debating toward the formation of a debating society.

DEAN LEWIS RETURNS

After a half year's leave of absence, the latter part of which was spent in Europe, Dean Lewis has returned to the campus. The first day of his return he was greeted by the members of Adelphia and the Senate and the four class presidents, who called at his home in a body.

'06—J. Edward Martin is associated with Jack Dionne in publishing a lumber journal in California known to the lumber trade as *The California Lumber Merchant*. This paper covers the states of Arizona and California and has nearly a 100% circulation among the lumbermen of that region.

ALUMNI ATTEND MEETINGS

FLORICULTURAL MEETING

An informal dinner and get-together of nineteen students and instructors in floriculture who attended the International Flower Show, was held at the Hotel Bristol in New York City on March 16. Of the five instructors present, four were Aggie alumni: Earle I. Wilde, '12; Clark L. Thayer, '13; Arthur S. Thurston, '14; and Harold A. Pratt, '17. First steps were taken at this meeting towards organizing an honorary professional floricultural society. The institutions represented were Cornell, Maryland, M. A. C. and Penn State.

AMERICAN CHEMICAL SOCIETY

Fourteen alumni of M. A. C., two other members of the faculty and three former members of the faculty attended the 65th meeting of the American Chemical Society, New Haven and Connecticut Valley Sections, held at New Haven, April 2 to 7. H. A. Noyes, '12, as chairman of the Division of Agricultural and Food Chemistry, presided at the meetings of that group. Mr. Noyes and Dr. Chamberlain of the college staff are members of the council, the executive body of the American Chemical Society.

The following papers were presented by alumni:

Dr. C. A. Peters, '97, and G. K. Redding, '20—*The Colloidal Condition and Settling of Acid Lead Arsenate.*

L. W. Tarr, '15—*The Role of Acids in Fruit Jellies. Malic, Citric and Tartaric Acids in Fruit Jellies.*

H. A. Noyes, '12—*What Is a Fruit Jelly? Vacuum Concentration in Preparation of Fruit Jellies.*

H. B. Pierce, '17—(Joint author with D. E. Haley). *A simple Shaking Apparatus for Use in Enzyme Studies.*

MARRIAGES

'17—Herman B. Nash to Grace Rogers Leonard of Marshfield Hills, at Hadley, March 24, 1923.

'22—Edwin G. Burnham to Helen Parmlee of Hartford, February 28, 1923.

BIRTHS

w'07—A daughter, Mary Suzanne, to Clifton H. and Kathryn P. Chadwick, January 10, 1923.

'08—A son, Holbrook Tuckerman, to Orton L. and Margaret Tuckerman Clark, April 8, 1923.

'20—A son, Brooks Rockefeller, to Mr. and Mrs. Brooks F. Jakeman.

'21—Carlo A. Iorio is planning to open a photo engraving shop. He is now at home in Torrington, Conn., after having spent the winter in Florida.

'22—Mr. and Mrs. Charles W. Robinson of Amherst have announced the engagement of their daughter, Edith Clark, to Donald S. Lacroix.

VISIT OF LEGISLATURE

An order has been passed by the State Legislature of Massachusetts providing for that body to visit the college. This trip will be made on the 4th of May.

This is the first time on record on which the General Court as a body has ever visited any of its state institutions. The college and all alumni of the college should, therefore, feel especially grateful that this honor has come to M. A. C.

THE MASSACHUSETTS AGRICULTURAL COLLEGE

ALUMNI BULLETIN

Vol. IV. Amherst, Masachusetts, May 24, 1923 No. 10

STATE LEGISLATURE VISITS THE COLLEGE

192 Members Make the Trip

VISITORS WELL IMPRESSED

It was a big day for the college and one might venture to say that it was a big day for the General Court of Massachusetts when 197 of the 278 members of that body made a tour of inspection over the college grounds on May 4th. Many were the remarks to indicate that a number of legislators came with one impression of the college and left with another impression utterly different from the first. "An eye-opener" some called it.

Whatever the results of the trip may be it can safely be said that whenever the college is the subject of discussion at the State House there will be much more intelligent consideration than in the past. Where there is better understanding there should be greater sympathy. The college has nothing to fear and much to hope for from this visit.

Arriving at the Boston and Maine station about 11-30 o'clock in the morning in a special train pulled by two engines, the previously tagged legislators were quickly seated in the 90 to 100 automobiles secured for the occasion. Ten minutes after the train pulled in the line of cars was wending its way to the college.

Along the roadway from the entrance of the campus to South College the mounted cavalry squad was lined up and kept the occupants of the cars busy returning salutes. The route of inspection led the party over the college farm to the sheep barns, back along Lincoln Avenue through the west center of the campus, through the poultry plant and the Experiment station plots, up the east side of the campus, then through the orchards, and ended at Draper Hall where an M. A. C. dinner was served the guests of the day.

Following dinner the college and the General Court gathered in Stockbridge Hall, the latter sitting on the stage which had been extended over the first few rows of seats in order to accommodate the group. Singing and cheering by the student body proved to the law makers that here indeed was a real college student body. Addresses by Charles A. Gleason, trustee, President K. L. Butterfield, President Frank G. Allen of the Senate, and Speaker Benjamin Loring Young of the House of Representatives completed the program for this occasion.

The legislators were next divided into groups and made detailed inspection of the campus. Every feature of the college work was carefully inspected by one or more parties. All students were in classes at this time. After this inspection the legislators took seats in specially erected bleachers and watched a parade of live stock and maneuvers of the college R. O. T. C. Then the line of cars passed back again to the station and the legislators were on their way to Boston, but the college followed them, for when supper time came around there were box lunches provided by the student body.

The whole affair was carefully planned and every member of the faculty and student body played his part.

THERE'S STILL TIME TO CHANGE YOUR MIND BUT DON'T

BE HERE JUNE 8 TO 11

Come to Commencement just as you had planned. If there's any mind changing let it be that of your classmate, fraternity brother, or other "Aggie" friend who said he couldn't get back. Tell him what's on the docket. Change *his* mind.

The Commencement play will be "The Truth About Blayds." This play has had a successful run on Broadway and as far as can be determined this will be the first amateur performance. Tickets may be secured in advance thru the Alumni office. Seats are priced at 50c., 75c. and $1.00. Send your check made payable to the Roister Doister Dramatic Association and instructions about tickets desired to the Alumni office. The tickets will be held for you at the registration table. The quicker you attend to this the better the seats you will get.

Saturday is Alumni Day from start to finish. The parade, the baseball game, and the dinner should attract all alumni and their families. Following dinner comes the business meeting of the Association which all alumni will find well worth attending.

Another baseball game comes in the afternoon—the odd classes versus the evens; not the young baseball satellites, but teams representative of all decades, for four or more members of each team must have been out of college ten years or more. The Varsity and Academic Clubs hold forth at 6-00. Get your ticket to one of these at the registration booth.

A new feature—alumni singing—is scheduled for the evening on the steps of Stockbridge Hall. All the old glee club members, the little groups that used to practice close harmony, those that can sing and those that can't will all have a chance to do their best. Then to end the perfect day come fraternity reunions. Class reunions will be held by arrangement of the classes.

But now, take note: Massachusetts runs on daylight saving time. If your watch reads on Eastern Standard Time remember that 9-00 by your watch means 10-00 by daylight saving.

A number of old commencement programs and other programs, posters, and like papers have been donated to the library by Dr. Frederick Tuckerman '78. Among the papers were the first, second, third, and fourth commencement programs.

'82—The *Agricultural Student* of Ohio State University recently printed an article about Professor C. S. Plumb—"Daddy" Plumb they called him.

'21—Laurence F. Pratt has received a fellowship in the Food Research Institute at Stanford University.

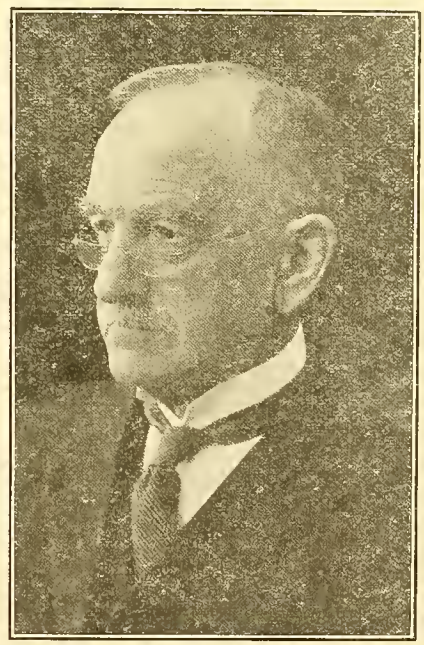
DR. WELLINGTON RETIRES ON SEVENTIETH BIRTHDAY

Completes Long Period of Service

DINNER HELD IN HIS HONOR

May 4th saw the retirement of Dr. Wellington, at the age of 70, in accordance with the state law, and closed a term of 38 years of active service, the longest of any recent member of the faculty and of about the same length as that of the late Dr. Goessmann and the late President Goodell.

In 1885 when Dr. Goessmann began to give the most of his time to the work



of the Experiment Station Dr. Wellington, Associate Professor, took charge of the teaching work. All students in the college passed through his hands from 1885 to 1902 when a revision of the curriculum limited the required chemistry to the lower classes. Up to 1893 all the teaching was done by Dr. Wellington save the lecture courses by Dr. Goessmann. In 1893 the instruction in the freshman and sophomore courses was taken over by Dr. E. R. Flint, '87, who was followed by Dr. S. F. Howard, '94. Since 1902 only selected groups of students specializing in chemistry were under Dr. Wellington's supervision. In 1909 he gave special attention to the analytical work and has continued with that in the later years, since 1912 being assisted by the writer of this sketch. Dr. Wellington has had actual acquaintance with a large portion of the Alumni of the college and with all of its chemists.

It was always evident that the needs of the individual were first in Dr. Wellington's mind. Many men will recall the quiet talks concerning their own future; his ability to use the great movements in history; his love of the philosophers; his willingness to change the subject matter of a course if added

Continued on page 3

THE MASSACHUSETTS AGRICULTURAL COLLEGE
ALUMNI BULLETIN
Member of The Alumni Magazines Associated

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CALL FOR THE ANNUAL MEETING

The annual meeting of the Associate Alumni of M. A. C. is called for Saturday, June 9, 1923, at 1-30 P. M. in Memorial Hall. Items of business for consideration are:

1. Minutes of the last annual meeting, the mid-winter Alumni Day meeting, and extracts from the minutes of the meetings of the Executive Committee.
2. Report of the officers for the year 1922-23.
3. Report of the Memorial Building Committee.
4. Report of the Student Activities Committee.
5. Report of the Endowment Committee.
6. Report of the Mills Portrait Committee.
7. Report of the Fernald Portrait Committee.
8. An address by President Butterfield.
9. Projects and budget for the year 1923-24.
10. A proposal to amend the by-laws by adding to them article 18 to read as follows:

"There shall be elected annually at the annual meeting two representatives to the Joint Committee on Intercollegiate Athletics, two representatives to the Academic Activities Board, and three representatives to the Board of Managers of Memorial Hall; provided that at least one alumni representative on each of these boards and committees shall be a member of the Executive Committee. Nominations for these representatives shall be made by the Nominating Committee."

11. Mid-Winter Alumni Day.
12. Any other items of business which may properly come before the meeting.
13. Election of officers for the year 1923-24.
14. Reports of the alumni representatives on the Joint Committee on Intercollegiate Athletics, the Academic Activities Board, and the Board of Managers of Memorial Hall.

SUMNER R. PARKER,
Secretary.

CLASS NOTES

'85—Dr. George H. Barber is now located at the U. S. Naval Medical Supply Depot, Mare Island, Calif.

'95—George A. Billings has removed from New Brunswick, N. J., to Washington, D. C. where he has accepted a position as Special Expert in the Agricultural Division of the U. S. Tariff Commission.

'06—D. H. Carey resigned from the staff of the University of California to engage in farming in Northern California.

IS A COLLEGE COURSE WORTH WHILE FOR FARMERS?

HAS BETTER CHANCE

To bring to those engaged in agriculture the same return for their time and thought that comes to nearly all others (from laborers up), who may have been a little keener and have organized for self protection some years ahead of the farmers, it will require the men with the best education and most practical experience possible. My idea of the two year course would be, that for a college educated man with previous experience on a farm, it would give him a chance to be a leader among his fellows; but, that without more of an education than that gained from the two year course, he might become a skilled farm worker after the proper amount of experience, and might even make a good foreman. This, of course, would be subject to exceptions as there are men who do not need a college education to make leaders and vice versa. Please bear in mind that I did not graduate from the agricultural course and so may be at a disadvantage. However, I did "soak up" some of the atmosphere and principles. I also find that although I was graduated for a prospective civil engineer and did follow the work for five years, *that* part of my education is not a total loss to me in my present circumstances. If I had been educated at a classical college instead and then in some way learned as much about agriculture as I did pick up at M. A. C., I have no doubt but that kind of an education would be almost as useful to me as a farmer as my engineering has been. I sincerely believe that to be a successful farmer one should know something besides agriculture. Some say that the most successful men are those who can hire the proper kind of men to run their business for them, but I think in these times the man that can check the business from bottom to top is one who is going to be the most successful.

Therefore, I would conclude that with the same amount of practical experience the man with the four years' education has the better chance even though he knows no more agriculture than the one with the two years' education.

T. L. Warner, '08.

NEED GENERAL EDUCATION

"My opinion of the four year course, naturally comparing it with what I have seen of the two year men, would be that while the two year men have a fair knowledge of agriculture, they do not seem to have the additional education needed to put it over successfully. They appear to know the fundamentals of their subjects, but cannot or do not have the ability to hold down a job that a four year man can. This ability does not always come from a knowledge of the subject but from a broader mind acquired through a more general education, that enables one no better versed in the subject matter to handle a given proposition more successfully.

As to my own particular case and the value of my college course to me, I will say that it has made all the difference in the world. I, of course, do not know what I would be doing or where I would have been had I not gone to college, but I do know that I could not have held the positions of responsibility that I now hold or have held without my education. It is not alone what we learn of mere subject matter from text books, laboratory work, and lectures that count in life; but rather it is the broader mind one acquires that enables him to grasp problems and meet emergencies, handle men, and mix with them that counts for success, not financial alone but the betterment of the little part of the world one occupies."

P. F. Staples, '04.

SOUND FARM PRACTICE?

There undoubtedly exists, among both students and alumni of "Aggie", more or less prejudice against the two-year course. I should, certainly, not say that the regular course should be reduced from four years to two. However, I do believe that the short courses have an important place in a college which is to be of the most benefit to the agriculture of the state.

There is probably no part of the program of study, student activities, or college life which is not a benefit to the average student at M. A. C. But, it is a question in my mind, if it is all of sufficient value for all farm boys to warrant their spending the time and money for a four-year course. I believe there are many boys in the state, born and brought up on farms, who intend to make farming their life work and who would profit by the farming instruction offered by the college, but who could hardly afford four years' time and the money necessary to take the regular course.

Of course, it is possible to work your way through college. But one who aims to acquire a farm of his own from farm earnings is starting a slow process. Farming is not a business of quick and large returns, so, of course, time must be considered. This applies even more to the student who borrows money to defray his expenses, for it may take several years to pay the debt.

I believe there is another disadvantage of a four-year course for the average farm boy. No doubt a high standard of living is desirable in the country as well as the city. Certainly, none of us want to adopt the living standard of the European peasant.

However, a graduate is likely to find it hard to adjust himself to the life and income afforded by a farm business, at least a farm business "in the making", after four years' absence from farm life and farm work, spent in the life of the campus. Of course, the Henry Fords and Aaron Sapiros would make the most of whatever education or training they had or the handicaps they started with, but I am speaking of the average farm boy of our state.

Perhaps the prejudice, of so many "hard-headed" farmers, against the "Aggie" graduate is really, in a measure, a justifiable challenge: Is the four-year course "sound farm practice"?

Walter Hurlburt, '18.

CAMPUS NOTES

'96—Frank L. Clapp was recently ordained as a deacon of the Unitarian First Parish Church of Dorchester. This church has had an unbroken line of deacons from the Clapp family since 1638. Mr. Clapp is the twelfth member of the family to fill the office.

'04—John W. Gregg has recently returned to this country from a trip abroad where he has been studying landscape design,

Dr. Wellington Retires

Continued from page 1

stimulation could be found; his avoidance of the formal lecture. Many a man who showed promise has been started on a successful career by the inspiration caught from the life of some great chemist as revealed in one of those quiet talks.

Years before the college reached its present position Dr. Wellington was a tireless worker for more students and a better spirit. As one of a group of active alumni on the campus it was natural this should be so. Recall the 30th Anniversary at Commencement in 1897, which drew the largest number of alumni ever present until the recent 50th Commencement in 1921. As examples of his efforts to better advertise the college the illustrations included in the Alumni Catalog of 1897 may be cited. Again, special issues of the college paper, Aggie Life, describing the work of the institution were widely distributed. The far-reaching results of these and other efforts are hard to measure.

The social advantages of the students were always Dr. Wellington's special concern. The writer recalls chemical feeds patterned after the German Kneipe where the social atmosphere, now taken for granted, was developed.

In the older days, occasional bursts of enthusiasm, known as college pranks, resulted in damage to college property or violation of rules and sometimes brought a group before the faculty for discipline. Few people will know the quiet and skillful mediation that was conducted by Dr. Wellington as he endeavored, not to allay the deserved punishment, but to make the students see that straight forward acknowledgment of wrong doing and reparation was the better way. The fact that Dr. Wellington's father was a clergyman, being at one time pastor of the ~~First~~ Church in ~~Amherst~~, may account for his intense human interests.

At the dinner on May 7, given to Dr. and Mrs. Wellington in Draper Hall by the faculty members and their wives, the keynote was loyalty. President Butterfield told how intensely loyal to the college and his administration Dr. Wellington had always been. Dr. Lindsey told of incidents of service, particularly activities which lead to the appointment of some of our most influential trustees.

Dr. Hills, '81, spoke cordially of the broad scholarship and deep human interest and devotion to the college; of his activity in bringing the first national college fraternity onto the campus when D. G. K. changed to Kappa Sigma.

Dr. Wellington was assistant in Chemistry at M. A. C. for three years after graduation following which he served the U. S. Department of Agriculture for six years, being absent one year studying under Professor Mallet at the University of Virginia.

Following Dr. Goessmann's influence he joined the sociable American colony at Goettingen, where he met Miss Huntington, the present Mrs. Wellington, and took his degree under Tollens in 1885, meanwhile having found time for lectures in Paris and extensive travel. These activities helped develop his natural talent and broaden the kindly philosopher that we all love. The good wishes and cordial interest of the Alumni will continue with Dr. Wellington for years to come.

C. A. Peters, '97.

BOYS' CAMP

There is still time to enroll your son, or some one else's son, in the M. A. C. Boys' Camp to be conducted by the College during July. Write for information to the Field Secretary.

PHI SIGMA KAPPA CELEBRATES FIFTIETH ANNIVERSARY

Honor Founders Brooks and Campbell

TABLET UNVEILED ON NORTH COLLEGE

On May 12 there occurred at Amherst a unique occasion, namely the celebration of the fiftieth anniversary of the founding of Phi Sigma Kappa National at M. A. C. This fraternity has now thirty-six chapters and over 7000 members, and owns approximately $350,000 worth of property. It is the only national fraternity to be founded in either college and one of three to be founded in Massachusetts.

Exercises were held in the afternoon in Memorial Hall, Dr. Walter H. Conley of New York presiding. President Butterfield extended to the Phi Sigma Kappa men and their friends felicitations from the college. He was followed by Professor Waugh, Kappa Sigma, who extended felicitations from the other Greek letter fraternities. The anniversary address was presented by Peter M. Harwood, '75, of Boston and was warmly received. An undergraduate quartet furnished music. The assembly then adjourned to North College, in which the fraternity was actually founded, and a mural tablet in bronze, limestone and granite was there unveiled by Dr. Joseph E. Root, '76, of Hartford. This tablet represents the gifts of 1500 Phi Sigma Kappa men. The flag was drawn aside by the two boys of Ralph J. Watts, '07, who was chairman of the pilgrimage committee.

About 150 Phi Sigma Kappa men and their wives attended a dinner in Draper Hall in the evening. Frank Prentice Rand acted as toastmaster. A roll call by chapters indicated nineteen different colleges represented at the dinner. The first response was by Mr. Harwood, who spoke of the Founders. He was followed by Dr. David E. Baker, '78, of Newtonville. At this point the two surviving founders of the fraternity, Dr. William Penn Brooks of Amherst, for years director of the Experiment Station, and Frederick G. Campbell of Boston, were presented with loving cups by William A. McIntyre of Philadelphia, chancellor of the Supreme Court. Both men responded. The other founders, no longer living, were Jabez W. Clay, Xenos Y. Clark, Joseph Franklin Barrett and Henry Hague, all of '75. Other speakers were Dr. Arthur G. Root of Albany, Arnold C. Otto of Milwaukee, Walter J. Waldau of Brown University, and Dr. Root of Hartford. Altogether the occasion was both impressive and memorable in the annals of Aggie.

Frank Prentice Rand.

Interest attaches to the fact that Mr. Watts '07 is at present national secretary of Phi Sigma Kappa, Dr. Root, '76, and Professor Rand of the English department members of the Supreme Court, and the latter also editor of the quarterly magazine, *The Signet.*

ALUMNI DIRECTORY

The Alumni Directory will be issued in time for Commencement and copies will be on sale at the registration table in Room 4, Memorial Hall. The regular price is $2.00 a copy but members of the Association whose dues are paid may secure one copy for $1.00. Plans originally called for the College and the Association to share equally in the cost of the printing but authorities at the State House turned down the project. Accordingly it has been necessary to reconsider the plan to mail copies free to members of the Association.

750 HIGH SCHOOL STUDENTS VISIT M. A. C.

New Features Prove Attractive

101 SCHOOLS REPRESENTED

In spite of dropping the interscholastic track meet from the program and deciding not to issue posters as has been done regularly the past few years, the registration for the fourteenth annual high school day was 757, but 20 lower than last year's record-breaking attendance. About 450 boys and 200 girls representing 101 schools enjoyed the hospitality of the college. Teachers, principals, and school superintendents numbered around 50.

The largest school groups were:

Amherst	123
South Hadley	36
Belchertown	34
West Roxbury	34
Bernardston	31
Winchendon	29
Conway	27
Athol	24
Newburyport	22
Brimfield	20

The main feature of the day, replacing the track meet, was an organized inspection of the campus in the morning and immediately following dinner. Student guides were secured and given instructions previous to High School Day. Four distinct tours were arranged from which the visitors could choose according to their interest. Following these trips the entrance requirements were explained to them by Professor Hasbrouck, Registrar. This also was a new feature.

The program commenced with interscholastic stock and poultry judging at 9-00 A. M. Seven schools were entered in each contest. This is the first year that poultry judging has been included in the program.

In place of the cavalry gymkana and military review the military department staged a horseshow late in the morning in their newly built riding grounds. Following this a complimentary dinner was furnished by the college.

In the afternoon the visitors attended the varsity baseball game with Williams. The evening program included an address by President Butterfield, award of prizes for the judging contest, presentation of a prize one act play written by a student, a musical club concert, and fraternity receptions. A special supper meeting was held for teachers and town representatives.

CLASS NOTES

'06—S. S. Rogers has left the University of California to become associated with the State (Calif.) Department of Agriculture in the Department of Standardization.

'11—Herman A. Pauly is now in landscape work in Alabama.

'13—Benjamin W. Ellis, county Agent Leader in Connecticut has been selected to succeed H. J. Baker '11 whose resignation as Director of the Extension Service at the Connecticut Agricultural College was announced last month. Mr. Ellis has been with the Connecticut Extension Service for six years and previously had engaged in county agent work.

'14—Stanley B. Freeborn has been granted leave of absence from the University of California for a year and plans to spend a part of this time at M. A. C.

'14—Hoyt D. Lucas is Ice Cream Inspector with the Department of Health, Birmingham, Alabama.

'22—George L. Baker is an assistant chemist in the Delaware Experiment Station.

CLUBS AND CLASSES

FAIRFIELD COUNTY, CONN.

Theodore Reumann, secretary of this club says "The Roister Doister play in Stamford last Saturday was a huge success. The Stamford Advocate, our daily paper, gave us unstinted praise, and the college received much favorable publicity. F. A. Bartlett entertained eight of the boys at a dinner at the Suburban Club, Saturday night. This was a little informal "Aggie" meeting for the players before the show.

The following Aggie graduates were present:

G. A. Drew	'97	C. D. Blanchard	'19
H. L. Barnes	'05	R. C. Coombs	'21
F. A. Bartlett	'05	J. W. Holloway	'20
H. B. Reed	'08	D. A. Hurd	'20
H. A. Noyes	'12	J. C. Maples	'20
J. C. Campbell	sp. '15	A. W. Meserve	'20
A. E. Hendry	'16	Miss Susan A. Smith	'20
T. H. Reumann	'18	C. F. Graves	'20
H. J. Bainton	'22		

WASHINGTON, D. C.

Not to be outdone by the long-haired artists who go to Greenwich Village for color, the short-salaried Washington M. A. C. Alumni Club members are going to hold a series of open-air reunions in order to have the proper atmosphere and setting.

The details of these rural outings are being worked out by Dr. E. A. Back, President of the Club and originator of the plan. These outings will be attended by the wives and ruralities of members.

The last regular meeting was held at The New Ebbitt on April 5. The following members attended: C. A. Bowman '81, E. R. Flint '87, C. M. Walker '99, J. C. Folsom '10, S. W. Mendum '10, C. H. Brewer '13, F. J. Binks '18, V. A. Dickinson '19, W. B. Stiles '20.

1903

The class of 1903 plans to reune at Commencement. Class headquarters will be in Clark Hall.

1913

Strenuous efforts are being made to get every member of the class back and to land the Commencement cup. A class dinner for members and their families will be held on Sunday, June 10th at 1-30 P. M. in the east wing of Draper Hall. In an endeavor to have wives and families attend with the men special emphasis is being laid on a program for the ladies, including a luncheon, bridge party, and baby show. Class headquarters will be in Room 8, Memorial Hall.

EXECUTIVE COMMITTEE ACTION

Important items of business acted upon at the April and May meetings of the Executive Committee are as follows:

1. It was voted to print the Alumni Directory and in order to meet the expenses to sell copies at $2.00 apiece. Members of the association may secure copies at $1.00.

3. The appointment of John E. Wilder '82, Dr. Joel E. Goldthwait '85, Fred D. Griggs '13, and Murray D. Lincoln '14 to serve on the Endowment Committee with Prof. C. S. Plumb '82, chairman, were confirmed.

4. Prof. A. V. Osmun '03 was appointed auditor for the year 1922-23.

5. Dr. Frederick Tuckerman '78 was appointed to arrange for the safe deposit of valuable alumni records now held in the library.

6. The monthly budget report for May showed receipts of $2235.32, expenditures of $1861.41, cash on hand $373.91, and probable further expenditures of $938.59 which might be reduced to about $600.00.

The Commencement program is based on Massachusetts Daylight Saving Time.

MARRIAGES

'06—It has been reported that D. H. Carey was recently married.

'18—O. G. Pratt to Merah Shium of Lynn, March 3, 1923.

'21—Harold A. Haskins to Hazel Augusta Reed of North Amherst, April 21, 1923.

'22—Raymond S. Blanchard to Louise Leonard of Brattleboro, Vt., April 21, 1923.

BIRTHS

'14—A son, Richard Lee, to Alfred L. and Laura Sabin Tower, May 14, 1923.

'20—A son, Stewart Kendall, to Mr. and Mrs. E. Erskine Harvey, March 27, 1923.

'20—A son, Brooks Rockefeller, to Mr. and Mrs. Brooks F. Jakeman, March 20, 1923.

'20—A daughter, Alice, to Henry E. and Almira Palmer Lyons, April 27, 1923.

PUBLICATIONS

'09—M. T. Smulyan, Specialist in Gypsy Moth and Brown-tail Moth Investigations, Bureau of Entomology, U. S. Department of Agriculture, reports results of important research in Bulletin No. 1142, on "The Barrier Factors in Gypsy Moth Tree-banding Material." Mr. Smulyan is now located at the departmental laboratories at Melrose Highlands, Mass.

'10—Bulletin 1144 of the U. S. Department of Agriculture, on "Cost of Milk Production on Forty-eight Wisconsin Farms," is written by S. W. Mendon, Junior Economist in the Bureau of Agricultural Economics of the National Department of Agriculture.

'12—Henry B. Hall makes a contribution to the science of marketing in bulletin 192 of the Rhode Island Experiment Station, published under the title: "Preliminary Study of the Methods and Means of Handling Fresh Produce in Rhode Island."

'14—S. B. Freeborn is joint author with J. R. Beach of the California Agricultural Experiment Station Circular 251, "Common Diseases and Parasites of Poultry in California."

'18—F. A. Carlson is author of Memoir 61 from the Cornell University Agricultural Experiment Station, "Some Relations of Organic Matter in Soils." Mr. Carlson is now a member of the Department of Soil Technology, University of California.

'21—R. L. Starkey is joint author with Professor Waksman of an article on "Carbon Assimilation and Respiration of Autotrophic Bacteria" appearing in the *Proceedings for the Society of Experimental Biology and Medicine* for 1922.

Professor H. P. Cooper, formerly of the Department of Agronomy, M. A. C. now at Cornell University, describes a part of his plant breeding research work in the *Journal of the American Society of Agronomy*, Vol. 15, No. 1, January, 1923, "The Inheritance of the Spring and Winter Growing Habit in Crosses between Typical Spring and Typical Winter Wheats, and the Response of Wheat Plants to Artificial Light."

Professor F. W. Morse of the Experiment Station published an article on "Relations between Calcium Carbonate, Certain Fertilizer Chemicals and the Soil Solution" in the February number of *Soil Science*. This represents the results of research work carried on by Professor Morse at the Experiment Station.

Prof. F. A. Waugh is author of an article "An Oasis Called Hurricane" in the *Country Gentleman*, May, 1923.

'19—Willard K. French has resigned from the staff at M. A. C. to take a position as teacher of horticulture in the Worcester North High School.

'19—Mr. and Mrs. L. E. Devol of Pawtucket have announced the engagement of their daughter, Ada Louise, to Robert L. Jones.

CAMPUS NOTES

ACADEMICS TROPHY AWARDED

The Academics Conspicuous Service Trophy was awarded to Thomas L. Snow, '23 for the excellent manner in which he had performed his duties as manager of the musical clubs and specifically for arranging joint concerts with the Framingham and Worcester Normal Schools and Mt. Holyoke College.

OTHER AWARDS

Besides the above, cash prizes for the best one act play and the Burnham Declamation contest, and four gold and seven silver medals for participation in academic activities were conferred at the spring insignia chapel. Six hockey, three basketball, and two track letters and sweaters were awarded at the same time.

PHI KAPPA PHI ELECTIONS

Six seniors, three juniors, and three members of the faculty were elected recently to Phi Kappa Phi. The faculty members are Dr. J. B. Lentz, Prof. Frank P. Rand, and Director John D. Willard.

GIVE BOSTON SHOW

The Roister Doister Dramatic Association presented the Prom Show in Boston on April 21st. A dress rehearsal in the afternoon was given for charity purposes. The evening performance was largely attended by alumni. This play was also presented in Stamford, Connecticut.

M. A. C. DEBATES M. A. C.

The Michigan Agricultural College defeated the "Mass. Aggie" team in a debate on April 19. Michigan defended the negative side of the question "*Resolved* that labor disputes in public utilities should be settled by compulsory arbitration, constitutionality waived."

BASEBALL SCORES

M. A. C.	6	Wesleyan	19
M. A. C.	3	Syracuse	10
M. A. C.	7	Harvard	13
M. A. C.	5	Dartmouth	17
M. A. C.	5	Williams	12
M. A. C.	..	Worcester P. I.	rain
M. A. C.	6	Colby	10
M. A. C.	0	Amherst	5

TRACK SCORES

M. A. C.	62	Norwich	55
M. A. C.	58	Conn. A. C.	68

Contrary to custom in recent years, M. A. C. scored more points than their opponents in the field events in the Connecticut meet, and lost in the track events.

M. A. C. secured 8 points and 8th place at the Eastern Intercollegiate track and field meet at Springfield.

JOTTINGS

This is a time of elections. Adelphia and Senate, senior class officers, and Christian Association elections have taken place as well as those mentioned above. Professor Frank P. Rand was elected a faculty member of Adelphia.

Alumni and student representatives of the fraternities held a meeting to discuss the social program of the fraternities.

Interfraternity baseball has started.

Alpha Gamma Rho won the interfraternity track meet on April 21st.

The Freshman class has once again revived the custom of tendering a banquet to the Juniors—the poor "broke" Juniors. They have to eat some way.

It's all over but the finals.

'20—Susan A. Smith is engaged in laboratory work in clinical pathology at White Plains, N. Y.

'20—Warren M. Dewing is selling dye stuffs for the Grasselli Chemical Company through New England territory.

'20—Earle D. Lothrop is now working for the New England Insurance Association at Lawrence.